

Wild

AUSTRALIA'S WILDERNESS ADVENTURE MAGAZINE



Surveys:

cross country skis,

bivvy bags

New XCD ski runs

Bushwalking:

major peak-bagging guide,

Croajingolong

Trekking Ladakh

Wilderness paddling tips

Climbing the world's

most spectacular peak

\$4.95* Winter (July August September) 1988, issue 29

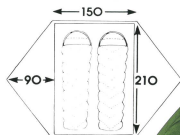
Back again!

The tent you've been looking for...

THE SIERRA DOME

A true 4 season shelter with two vestibules - not only provides roomy protection from wild winter weather, but opens wide to let cooling summer breezes flow through.

Uncommon value for...



\$365



...an uncommonly practical design:

Designed by Salewa (Sal-ee-wa) of West Germany, this unique tent is packed with features.

Inner Tent has a genuine 'bath-tub' floor construction, lantern loops and handy storage pockets. Entrances on both sides have additional mosquito net doors to ensure maximum flow thru ventilation and provide a welcome sanctuary from annoying insects. The height of 115 cm allows two to sit up in comfort.

Polyester Flysheet extends 'down to earth' to seal out wind-driven rain and snow. The fly can be pitched first in wet weather or by itself to provide a lightweight (2 kg) single-skin shelter for up to 3 or 4

people. Two closeable vents (one in each vestibule) minimise condensation when cooking or when the fly is completely closed. All seams are factory seam-sealed for complete waterproofness.

Two Vestibules. You no longer need to put up with gear clattering your sleeping area, store it all - packs and boots included, in one vestibule. Use the other as a dry, roomy, well-ventilated cooking area.

Alloy Poles are shock-corded for easy assembly. Strong and light, these poles fold down into 50 cm long sections that stow easily in any pack.

Lightweight 3 kg (approx).

Come in to any of the following Intertrek shops and see this most uncommon tent while stocks last.

TORRE MOUNTAIN CRAFT Shop 10, 600 Sherwood Road, Sherwood 4075, Phone (07) 379 5549

MOUNTAIN EQUIPMENT 291 Sussex Street, Sydney 2000, Phone (02) 264 3146

EASTWOOD CAMPING CENTRE 3 Trelawney Street, Eastwood 2122, Phone (02) 858 3833

BUSHCRAFT EQUIPMENT 29 Stewart Street, Wollongong 2500, Phone (042) 29 6748

JURKIEWICZ CAMPING CENTRE 47 Wollongong Street, Fyshwick 2609, Phone (062) 80 6519

THE OUTDOOR EXPERIENCE 518 Macaulay Street, Albury 2640, Phone (060) 21 5755

THE WILDERNESS SHOP 1 Carrington Road, Box Hill 3128, Phone (03) 898 3742

OUTSPORTS 340B Hawthorn Road, Caulfield South 3162, Phone (03) 523 5727

OUTSPORTS 36 Young Street, Frankston 3199, Phone (03) 783 2079

JOLLY SWAGMAN 107 Elizabeth Street, Hobart 7000, Phone (002) 34 3999

FLINDERS CAMPING 108 Gawler Place, Adelaide 5000, Phone (08) 223 1913



Outdoor Shops run by Outdoor People

Mail Order Customers:

Most Intertrek shops offer a prompt money-back 30-day approval mail order service. Please phone the shop of your choice for more details.



Winter (July August **September**) 1988, Vol 8 No 3 (issue 29) \$NZ5.95* **\$4.95**

-
- 36 **Long, Steep and Deep** *Mick Hampton and Glenn Tempest* tell of 'new' cross country downhill slopes in the heart of the Victorian Alps
-
- 42 **Not Another 8,000 Metre Peak** *Nick Craddock* describes his climb of Patagonia's Cerro Torre—the first Australasian ascent of one of the world's most spectacular mountains
-
- 46 **Trans Himalayan Trek** An odyssey through Ladakh's 'lunar landscape'; with *John Middleton and Libby Smith*
-
- 54 **Wilderness Paddling** The ins and outs of wild-water travel; practical tips from *Yvonne McLaughlin*
-
- 3 **Editorial** The Changing of the Guard
-
- 17 **Wild Information**
-
- 27 **Wild Ideas** High Today, Gone Tomorrow
-
- 30 **Wild Activities Survey** The High Points; a peak-baggers guide
-
- 51 **Track Notes** Croajingolong Coast; Victoria's outstanding coastal walk
-
- 58 **Folio** Victorian and Tasmanian high country, by *Michael Collie*
-
- 63 **Wild Gear Survey** Cross Country Skis
-
- 69 **Reviews** Important new bushwalking guidebooks
-
- 75 **Equipment** Including Bivvy Bags Survey
-
- 87 **Wildfire** Letters to the Editor
-
- 100 **Wild Shot**
-

Cover *Wild* Special Adviser, Glenn Tempest, plunges to glory on the southern fall of Mt Lee, Snowy Mountains, NSW. Photo Karen Allchin. **Contents** Perhaps he needs navigation instruction; Peter Crump and the Tall Ships. Photo Allan Cox. *Maximum recommended retail price only.

NEW HORIZONS FROM FAIRYDOWN

The fresh new Fairydown Horizon is available in a breathtaking mosaic of mix and match colours to brighten up the outdoors — cerise, mint, sapphire and purple.

Horizon is as functional as it is fashionable. Superior High Loft hollow fibre fill and double layered construction guarantee maximum thermal efficiency. And just to make sure you stay toasty warm we've added a three dimensional draft flap behind the zippers and a built-in draw-corded hood.

Twin zips provide the dual function of ventilation in mild weather or uncomplicated doubling to another Horizon when it's cold.

To minimise the weight and bulk, Horizon incorporates a tapered rectangular shape. For those desiring a little extra luxury, we have an extra-width version — the Wide Horizon.

Horizon — the all-round sleeping bag to add a splash of colour to your outdoor activity.

**EXTRA WIDE
NOW AVAILABLE**



"Horizon" Suggested Retail: 72 cm. \$129.00/82 cm. \$144.00

SPECIFICATIONS

CONSTRUCTION:	Double layered
SHAPE:	Tapered rectangular
WEIGHT:	1.9kg
HEAT RATING:	Comfortable sleeping to -8°C
WIDTH:	Horizon — 72cm Wide Horizon — 82cm

Available from: Scout Outdoor Centres — Aust., Bush & Mountain Sports — Melbourne, Mountain Equipment — Sydney

Fairydown HORIZON

The Changing of the Guard

Editorial

New faces at *Wild*

● IN THE EDITORIAL OF *WILD* NO 25, WHICH outlines *Wild*'s origins, there are several references to the major part played by Michael Collie in the establishment of *Wild* and in its growth and development over the past seven years or so. The Editorial in *Wild* no 27 mentions that he is leaving *Wild* to pursue other interests. He leaves at the end of June. The imminent loss of such an important 'foundation staffer' has provided the opportunity for a major reappraisal at *Wild*, particularly in the arrangement of the many tasks that must be completed to produce the magazine and to keep subscribers and advertisers happy. It has hastened the computerization of many aspects of the magazine, including subscription and mail-order management, word processing and the layout and production of artwork for printing. More importantly, it has led to a major influx of 'new blood', with a valuable mixture of youthful enthusiasm and new ideas, experience gained from demanding work on other publications—and the development of a strong team spirit that is determined to equal, and exceed, the high standards which have been set. The new team at *Wild* is as stimulating as any I have worked with and its energy, determination and skill augurs well for the future.

The extremely daunting task of following in the footsteps of Michael Collie in designing and supervising the production of each issue of *Wild* (which has been widely acclaimed for its graphic presentation) falls to Bruce Godden. However, Bruce has been well known to us for some years in his former position as graphic designer for our printer, where his work spoke highly of his long experience, skill and dedication to the highest standards. This is Bruce's second issue of *Wild*, the first without input from Michael.

Stephen Hamilton was also known to us for some time before he joined us at *Wild*. His energy and enthusiasm would enliven and mollify even the crustiest old editor. In a few short months, these qualities have resulted in heavily overbooked advertising quotas and climbing sales of *Wild* and *Rock* in specialist outdoor shops—Stephen's two main fields of responsibility. Despite a worrying penchant for fording new gear, he has a rapacious appetite for bushwalking, climbing and ski touring.

The mainstay of the place, and an incipient workaholic, Dianne King joined us over a year ago with considerable experience in small-magazine publishing. From the outset, it was clear that she would make a substantial contribution to *Wild*, particularly in the management of our accounts, subscriptions and the herculean task of computerization.

When renowned specialist map and guidebook publisher, Algonia Publications, was sold recently, we were extremely fortunate in



Chris pays homage beneath Buddhist prayer flags, Indus Valley, Ladakh, India.

being given the opportunity of having their skilled and qualified cartographer join us. After a part-time 'apprenticeship' with us, Glenn van der Knijff recently joined *Wild* on a full-time basis to produce our maps. A real lover of maps, he spends much of his spare time poring over them when he is not out investigating the terrain they cover, particularly the mountains of north-east Victoria, where his family lives. His easy-going flexibility and experience with computers have proved invaluable at *Wild*.

We rely heavily on a small army of part-time helpers for a variety of tasks. Michael's sister, Angela, has been with us, on and off, since the earliest days and is responsible for the overall administration of our mail-order system—no small task. Originally recruited to package mail-order goods, Nick Tapp has taken on several editorial duties (particularly the compilation of our important Equipment column and its Mini Surveys and the planning and editing of the famous *Wild* Gear Surveys). A man of several hats and many talents, Nick is terminally addicted to almost all branches of the rucksack sports, not to mention its gear, about which he is so knowledgeable.

With all this help, readers may well ask what I do—a good question! I could mutter about 'going out to research articles', but the truth is, I am as busy as ever just trying to improve each issue of *Wild* and *Rock* (the 1988 issue goes on sale in July, with double the print run of the 1987 issue), not to mention running the business, planning and the 'extras' such as compiling indexes, computerizing the layout of the magazines and so on. But I would be less than frank if I didn't admit to regular forays into the bush to plummet off new climbs in the Grampians, become 'geographically embarrassed' whilst bushwalking in Kosciuszko National Park and practise 'head plants' on the Bogong High Plains in winter (other skiers might be obsessed with the Telemark, but I am determined that 1988 will be the year I master the snow-plough turn).

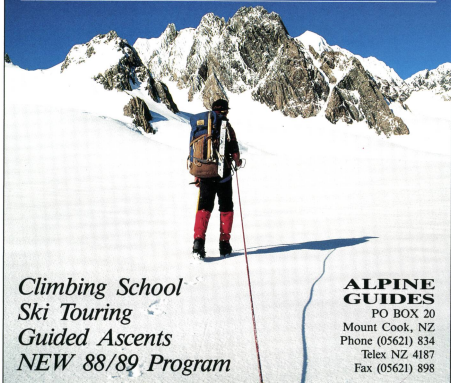
Let us know how you think the new team is getting on. We look forward to hearing from you. ■

Chris Baxter

Chris Baxter
Managing Editor

Alpine Guides

EXPERIENCE



*Climbing School
Ski Touring
Guided Ascents
NEW 88/89 Program*

ALPINE GUIDES

PO BOX 20
Mount Cook, NZ
Phone (05621) 834
Telex NZ 4187
Fax (05621) 898

Wild

AUSTRALIA'S WILDERNESS ADVENTURE MAGAZINE

Managing Editor

Chris Baxter

Manager Dianne King

Advertising Stephen Hamilton

Maps & Subscriptions Glenn van der Nijff

Design & Production Bruce Godden

Assistant Editor Nick Tapp

Subscriptions Angela Collie

Contributing Editors

Stephen Burton Caving

John Chapman Track Notes

Stephen Garnett Natural History

Dave Jones Equipment

Tim Macartney-Shape Mountaineering

Yvonne McLaughlin Canoeing

Tom Millar Cross Country Skiing

Brian Walters Reviews

Special Advisers Steve Colman, Roger

Lembit, Dave Noble (NSW), Colin Monteath (NZ),

Bob Burton (Tas), John Siseman,

Glenn Tempest (Vic), Peter Ewing (WA)

Publisher Wild Publications Pty Ltd

Printing York Press

Distribution Gordon and Gotch Limited

Subscription rates are currently \$19.80 for one year (four issues), or \$35.65 for two years, or \$49.95 for three years, by surface mail to addresses in Australia. Add \$46.00 for each four issues to overseas addresses. When moving, advise us immediately of your new and old addresses to avoid lost or delayed copies. Please also send your address label from an envelope received with a copy of Wild.

Advertising rates available on request.

Copy deadlines (advertising and editorial):

8 October (summer issue), 15 January

(autumn), 15 April (winter), 15 July (spring).

See below for publication dates.

Contributions, preferably well illustrated with

slides, are welcome. Guidelines for

Contributors are available on receipt of a

stamped addressed envelope. Submissions

must be typewritten, double-spaced with wide

margins, using only one side of the paper.

Submissions not accompanied by an envelope

and sufficient postage cannot be returned.

Names and addresses should be written on

both manuscripts and photos. While every

care is taken, we accept no responsibility for

material submitted. Articles represent the

views of the authors, and not necessarily

those of the publisher.

Editorial, advertising, subscription,

distribution and general correspondence to:

Wild Publications Pty Ltd, PO Box 415,

Prahran, Victoria 3181, Australia.

Phone (03) 240 8482

Wild is published quarterly in the middle of

the **month prior** to cover date (cover dates:

Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) by Wild

Publications Pty Ltd. The name Wild (ISSN

0726-2809) is registered as a trade mark, and

the use of this name is prohibited. All material

copyright© 1988 Wild Publications Pty Ltd. All

rights reserved. No part of the contents of

this publication may be reproduced without

the prior written consent of the publisher. All

attempts are made to verify advertising, track

notes, route descriptions, maps and other

information, but Wild cannot be held

responsible for erroneous, incomplete

or misleading material. Audit Bureau

of Circulations member. (The ABC

records independently audited **fully-paid sales**

of periodical publications. Wild's current ABC

paid circulation figure is available from Wild.)

MONT

AUSTRALIA'S FINEST

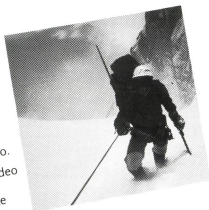
ADVENTURE EQUIPMENT

**SUPERDOWN SLEEPING BAGS • SUPERFLEECE JACKETS
GORE-TEX AND RAPPEL RAINWEAR • DOWN CLOTHING**

Available at specialist outdoor shops. Write today for your FREE colour catalogue: MONT, PO Box 995, Queanbeyan, NSW 2620

CHOSEN FOR AUSTRALIA'S BICENTENNIAL MT EVEREST CLIMB

Since 1911, Film Australia, the national film and video production house has been documenting the adventures of Australians. For the first time, this remarkable collection of archival and contemporary material is now available on video. For as little as \$39.95, you can start your own adventure video library or take advantage of our **Special Offer** and buy all videos for just \$149.50 and **SAVE OVER \$30!** Simply make your selection and complete the order form below.



Australians Exploring

First Time on Video

Harder Than Everest (60 mins, 1987)

A spectacular and inspiring video on Tim Macartney-Snape's ascent of the north west ridge of Gasherbrum IV in the Himalaya - an ascent described as 'harder than Everest'. The difficulties encountered by the climbers at high altitude - the numbing cold, rarified air, fatigue, altitude sickness, dehydration and life-threatening danger are all captured on film. Discover exactly why these climbers are driven to the summit amid the breathtaking beauty of the Himalaya.

\$49.95

The Spirit of the Tall Ships (58 mins, 1988)

On Australia Day, January 26, 1988, Australia stopped to witness one of the grandest maritime events of this century, the parade of sail of the TALL SHIPS on Sydney Harbour. Now you can experience for yourself the sensation of being a crew member on a Tall Ship ... climb the mast in high seas ... outlast a threatening cyclone ... sail down the world's most famous canal. Join in this historic voyage of the Polish ship 'Dar Młodzieży' and the 'American Eagle' to Australia.

\$39.95

Antarctic Pioneers (Black & White, 30 mins, 1962)

One of Australia's most famous photographers, Frank Hurley, narrates this absorbing film on Australia's first expeditions to the South Pole. His remarkable footage of the Mawson expedition in 1912 takes you from Hobart to Macquarie Island and then through the ice packs and shrieking blizzards to the landing place at Cape Dennison. The video traces the history of Australian expeditions to Antarctica between 1911 and 1948 and the establishment of Mawson Station. A rare film which reveals the true hardship and courage of these early pioneers.

\$49.95

COMING SOON

White Light (60 mins, 1988)

This is the tale of a group of modern day explorers who, in 1988, set out to climb Mt Minto, 4,163 metres above the ice of Antarctica. The preparation for the voyage, the 3 month sail to Antarctica and the crossing of 150 kilometres of frozen wilderness are all revealed. The stress of physical hardship, the necessity for co-operation and the pride of achievement are inspiring. A film set against the sheer physical beauty of the Antarctic continent.

\$49.95

Yes! I would like to order the following videos:

Title	VHS	Beta	Price	Qty	TOTAL
Harder than Everest			\$ 49.95		
The Spirit of the Tall Ships			\$ 39.95		
Antarctic Pioneers			\$ 49.95		
White Light			\$ 49.95		
Complete Package of 4 videos			\$149.50		
Freight & Handling (for single videos, add \$5.00; for complete package add \$10.00)					
Grand Total					

I enclose a cheque / money order made payable to Film Australia in the amount of \$ _____

Name: _____ Postcode: _____

Delivery Address: _____

Phone: _____

Please charge my Bankcard _____ Mastercard _____ with \$ _____

Card No: _____

Cardholders' Name: _____ Expiry Date: _____

Cardholders' Signature: _____

Delivery is generally less than 28 days.

SEND YOUR ORDER TO
 Freepost 25
 Film Australia
 PO Box 46 Lindfield, 2070
 Telephone (02) 467 9777
 (no stamp required)



ASNES THE TELEMAR SKI FOR YOU

The ASNES Sondre Telemark is quickly becoming recognized as the superior backcountry and Telemark ski for serious skiers.

The Sondre Telemark has full-length offset steel edges, a laminated wood core, nine millimetre side-cut and a camber stiffness that suits most skiers. Choose between the NEW Quickstep pattern or waxable base.



asnes

A BETTER TOURING SKI
Available from good outdoor shops

For further information
please contact: D B Biggs
Pty Ltd, 253 Sussex Street,
Sydney NSW 2000

Mountaincraft Torre

*Where quality and
service are more
than just words.*



*If you're really
serious about custom
down and synthetic sleeping
bags, packs, tents, cookware,
clothing, boots and climbing
hardware — in fact,
all your specialist
needs... there's no
compromising.*

(mail order or direct)



10/600 Sherwood Road, Sherwood Qld 4075 Ph (07) 379 5549. AH (07) 271 1926



MT ST GWINEAR

The only ski hire
on the mountain

OPEN 7 DAYS A WEEK

- Cross country ski hire
- Ski school
- Toboggan hire
- Hot food

Phone Ros Smith (051) 22 2430
for ski bookings or our
winter '88 programme

2 HOURS' DRIVE FROM MELBOURNE

NULLARBOR DOWN UNDER CAVING EXPEDITIONS

Explore some of the most
awesome and extensive caves in
Australia. Experience the thrill of
rafting and 'space walking' in
lakes as clear as crystal, or
descending a blow-hole! Assist
university and heritage bodies in
fossil excavations and Aboriginal
site recording. No previous
caving experience is required,
equipment and expert tuition
supplied. Join us for an
adventure that is definitely out of
the ordinary.

11 days \$802.

June 25, November 10,
December 4 1988

For bookings and details contact:

OSPREY WILDLIFE EXPEDITIONS

27B Strathalbyn Road, Aldgate,
South Australia 5154, (08) 339 4899



**VENTURE
WEST**

CAMPING TOURS INC
**Experience the Best of the
Canadian Rockies**

Small Group. Adventure Camping Tours by
Mini Bus. An active outdoor holiday including
Hiking, Cycling, Canoeing, Fishing &
Photography in one of the world's finest
mountain areas.

8 Day Hikers Special

9 Day Stampede Adventure

12 Day Rockies Classic

Give yourself a memorable introduction to the
Rockies this Summer. Try out a variety of
adventure sports under the guidance of
experts. Share the fun with a group of new
friends.

All trips depart from Calgary

Write for your free brochure

PO Box 2785 Phone
Station M (403) 249-1958
Calgary, Alberta or CMS Travel
T2P 3C2 Canada (403) 289-1817

GO CROSS COUNTRY SKIING THE ALPSPORT WAY. THE BEST WAY.



Cross Country Skiing is a specialised sport. To assure yourself the finest performance on the mountain come and see the professionals in skiing, Alpsport.

Backcountry Ski Packages

Rossignol TMS Telemark Skis	\$300
Rottefella Super Telemark Bindings	75
Normally	\$375
Our Special Price	\$337
Asnes Sondre Telemark Skis	\$320
Dovre Super Telemark Bindings	59
Normally	\$379
Our Special Price	\$339
Karhu XCD Kinetic Skis	\$345
Rottefella Super Telemark Bindings	75
Normally	\$420
Our Special Price	\$378

Backcountry Boots

	Norm	Our Price
Asolo Backcountry	\$205	\$185
Asolo Tour	\$160	\$139
Dinsport Mountain Ski	\$190	\$169

Benefits of Buying from Alpsport

- Only the best brands & models stocked.
- Extensive range to choose from.
- Certified ski technicians ensure correct fitting of ski, boot, binding system.
- Full ski workshop facilities.
- Customer parking at rear.
- Major credit cards accepted.

Light Touring Ski Packages

Trak Sportive Skis	\$180
Marker 75mm Bindings	\$20
Alpina "Lahti" boots	\$70
Swix Poles	\$24

Normally \$294
Our Special Price \$229

Trak Sportive Skis	\$180
NNN Auto Bindings	\$32
Rottefella NNN Boots	\$75
Swix Poles	\$24

Normally \$311
Our Special Price \$279

Note: Salomon SNS Boot Binding Systems also available.

Snow Mats

Fairlydown Sting	\$495
Macpac Olympus 1 door	\$585
Macpac Olympus 2 door	\$618
Bushgear Quadrant	\$390
(with Alloy Poles)	
Wild Country Quasar	\$549

CROSS COUNTRY SKI HIRE Light Touring Skis and Boots OR Metal Edge Telemark Skis and Backcountry Boots

Sleeping Bags

	Norm	Our Price
J & H Winterlite	\$486	\$415
J & H Dandelion	\$395	\$349
J & H Bushlite Super	\$407	\$369
Fairlydown Everest		
Entrant	\$572	\$499
Fairlydown Kosciuszko	\$394	\$349
Fairlydown Scorplan	\$368	\$330

Bivvy Bags

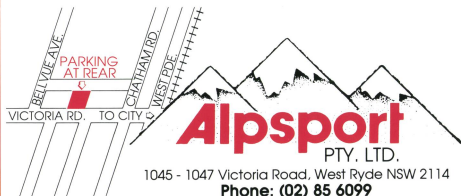
J & H Hollow Log		
Full GTX	\$380	\$342
J & H Hollow Log		
1/2 GTX 1/2 Nylon	\$250	\$225
Fairlydown Entrant	\$115	\$105

Stoves: From MSR, Optimus and Trangia.

Sleeping Mats: From Thermarest and Karrimort.

Clothing: Knickerbockers, Fibrepile Jackets, Goretex Pants & Jackets, Down Jackets, All top brands.

Accessories: Snow Shovels, Snow Pegs, Candle Lanterns, Gaiters, Boile Sunglasses, Sigg & Nalgene Bottles, Freeze Dried Food, Heel Locators, Hill Climbers, Spare Ski Tips, Maps, Voile Plates & Release Systems.



KATHMANDU

WHAT'S NEWS AT KATHMANDU

Two New Shops — **SYDNEY and CANBERRA** • an additional two jackets and a pullover to our already extensive and well tested winter clothing range — the **WINDKAPP**, the **COMBI** and the **NEW CYNCHILLA PULLOVER**, • a complete range of **ASOLO TOURING and XCD BOOTS** (See our Asolo ad this issue of *Wild*) • three new winter walking shoes — the **CLYDESDALE LACE**, **CLYDESDALE NO LACE**, and a very nice après ski boot in leather, the **COLLINS** • an addition of **WINTER WEIGHT THERMAL BODYWEAR** at under \$30 a garment, • plus Kathmandu's still got the prices on quality outdoor equipment everyone's talking about.



WINDKAPP JACKET

A redesign incorporating better fabrics has turned our successful 'Windfleece Jacket' into the even better WINDKAPP. The Windkapp consists of a shell of 'Tusser' fabric with a 'Polarwear' lining. The 'Polarwear' is a knitted, knapped and sheared polyester fabric with remarkable properties to disperse moisture, trap warm air and yet be much lighter (and thinner) than the fleece, fibrepile or Cynchilla we are using in our other winter clothing. Polarwear won't pill, shrink or be heat sensitive to dryers.

The shell is Tusser, a tightly woven 60% Nylon/40% Cotton blend fabric. It's light, hardwearing, windproof, sheds snow with ease and breathes quite happily.

The Windkapp features secure slant zip pockets, 'action cut' arms, and a high, snug protective collar. This is the jacket to use over thermals for spring skiing and winter mountain biking or over a Cynchilla garment for those bitterly cold winter ski days.

Very light to travel with and it's unlikely to be found tucked away when not skiing as it's handy to throw on when heading out for an evening in the city.

Colours: Navy, Red, Rose, Graphite or Turquoise

Sizes: XS, S, M, L or XL

Price: \$119.00

KATHMANDU WINTER WEIGHT POLYPROPYLENE THERMAL BODYWEAR

Using a heavier yarn these knit up thicker and denser for the colder conditions and/or less active winter pastimes. There are two styles, (Long Sleeve Top and Long John Pants) and the colours are of a conservative nature in comparison to our standard weight bodywear.

The prices most reasonable, as always.

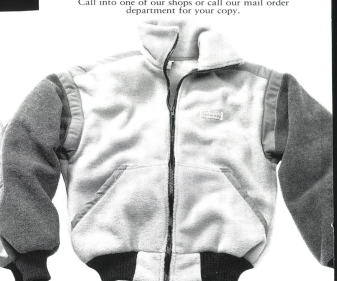
LONG SLEEVE TOP (white only) \$24.00

LONG JOHN PANTS (white only) \$24.00

Light Blue, Navy, Red, Green, Grey, Navy with White stripe, White with Navy stripe, Navy with Red stripe.

LONG SLEEVE TOP \$29.00

LONG JOHN PANTS \$29.00



COMBI

The machinists and designer had a lot of fun creating this alternative Cynchilla jacket with its multiple colours and trims. They played around with all sorts of zany combinations and styles and we've now selected the best with the arms one colour, the body another and linking the two a third colour in trims on shoulder and elbows. Pockets are open handwarmer, the cuffing at wrists and waist is made of wool. They look exciting, individual (there's so many combinations to choose from) and the first shipment was cleaned off the Melbourne shop shelves in two weeks. Do anything in them you would do in your standard Cynchilla jacket.

Sizes: XS, S, M, L or XL

Colours: Too numerous to mention

Price: \$139.50

MID-WINTER SPECIALS

I & H SLEEPING BAGS PLUS FAIRYDOWN DOWN SLEEPING BAGS 20% OFF THEIR RECOMMENDED RETAIL PRICES!!



	R.R.P.	OUR PRICE
SNOBAG	\$616.50	\$493.20
GORE-TEX WINTERLITE	\$792.00	\$633.60
WINTERLITE	\$486.50	\$389.20
GORE-TEX DANDELION	\$677.00	\$541.60
DANDELION	\$395.00	\$316.00
ROCKLEDGE	\$334.50	\$267.60
WINTERWARM	\$470.00	\$376.00
BUSHLITE SUPER	\$407.50	\$326.00
BUSHLITE	\$368.00	\$294.40
CHEAP HOTEL	\$299.50	\$239.60
POLAR	\$630.00	\$504.00
ENTRANT EVEREST	\$628.00	\$502.40
EVEREST	\$499.00	\$399.20
SCORPION	\$405.00	\$324.00
LITEWEIGHT	\$346.00	\$276.80
KOSCIUSKO	\$433.00	\$346.40
EXPLORER	\$337.00	\$269.60

SAVE 15% THERMAREST MATS

STANDARD 3/4	\$78.50
STANDARD LONG	\$105.00
ULTRALITE 3/4	\$82.25
ULTRALITE LONG	\$110.00

FAIRYDOWN TRILOGY TENT (a bargain) \$399.00

FAIRYDOWN STING TENT (usually \$630.00) \$499.00

Minimal Impact



OPTIMUS
INTERNATIONAL

Despite their soothing and hypnotic appeal, all campfires damage the environment. This is most serious in fragile alpine regions, where wood may also be difficult to find and often burns poorly. Alpine ecology has little resistance to fire and is slow to restore scorched earth to fertility. If used properly, a stove virtually eliminates the risk of starting a devastating wildfire, is quicker to use in wet weather and doesn't scar the landscape. Leaving a campsite as you found it is easier with a stove. Common sense demands the use of stoves because our wild places are becoming scarce. The most important feature of our stoves is also becoming rare—quality.

Optimus stoves are proudly distributed by Outdoor Survival Australia Pty Ltd, 2/6 Dunn Crescent, Dandenong, Victoria 3175. Telephone (03) 793 4288. Fax (03) 794 0750. Pictured Optimus 123R Camber.

**ATTENTION:
TRAVELLERS, CLIMBERS, TREKKERS, OR ANYBODY,**

IT'S A "MUST" FOR YOUR STOPOVER IN HONG KONG



**Mountain
Services
International**

**Ltd. 56, Morrison Hill Rd. M/JF.
WAN CHAI
HONG KONG ☎ 5-733329 TLX: 65205HX**

APPROACHES:

- A. MTR:
1/ Take "MTF" to "ISLAND LINE CAUSEWAY BAY STATION".
2/ Get out at "PERCIVAL STREET" EXIT (WEST SIDE).
3/ Walk along the "TRAMWAY" (Hennessy Road). Pass under a large vehicle flyover, until you meet "TIN LOK LANE".
4/ Walk along "TIN LOK LANE" and you will find "MORRISON HILL ROAD". Check for "56" (Right hand side). Look for the blue "M.S." sign.
- B. Taxi:
1/ From anywhere: Tell the driver to go to "NAN YANG THEATRE".
2/ On arrival, cross the road (MORRISON HILL ROAD). Watch for the Blue sign "MOUNTAIN SERVICES".
Suggestion for those who stay in Kowloon side: Take "MTF" to "ADMIRALTY STATION" and take a Taxi there. Save Tunnel charges.

FOR TAXI DRIVER:

灣仔摩利亞山道56號閣樓

名峯行有限公司

BLUE MOUNTAINS CLIMBING ADVENTURE!

ROCKCRAFT CLIMBING SCHOOL

Based in the
BLUE
MOUNTAINS

CLIMB WITH
AUSTRALIA'S
LEADING
PROFESSIONAL
CLIMBING GUIDES
AND INSTRUCTORS.

CLIMBING COURSES TO SUIT
ALL LEVELS FROM
BEGINNERS TO ADVANCED.
GUIDED CLIMBS AND
INSTRUCTION ON ANY DAY
OF THE YEAR.

- Abseiling
- Trekking
- Rockclimbing
- Guided Climbs
- Ice Climbing
- Expeditions
- Ski Mountaineering
- Private Instruction

OUR NEW MODERN OFFICE FEATURING —

- Extensive range of the latest gear
- Office lounge equipped with all new modern audio-visual equipment
- Hire equipment section
- Climbers information centre

Write or call for our new full-colour brochure,
166 Katoomba Street, Katoomba,
NSW, 2780. Ph (047) 82 2014



YES! Please rush me your detailed brochure. I am interested in:

- | | |
|---------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> Abseiling | <input type="checkbox"/> Rockclimbing |
| <input type="checkbox"/> Mountaineering | <input type="checkbox"/> Ice Climbing |
| <input type="checkbox"/> Ski-mountaineering | <input type="checkbox"/> Cross Country |
| | <input type="checkbox"/> Skiing & Snow Camping |

Name

Address

.....Pcode.....



DRYTECH
TECHTOP

PLUSLITE
FLAME

Until now dressing for adventure was a risky business.

Paddy Pallin's Integral Clothing is an Australian breakthrough in performance clothing for wild places. For the first time you can select from a range of innovative bodywear, warmwear and shellwear, all designed and manufactured here in Australia for Australian conditions.

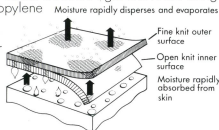
A TOTAL LAYERING SYSTEM

Each Integral garment is designed to perform brilliantly, not only alone but also when integrated with others in the range as a total layering system.

The garments are shaped for freedom of movement with minimal seams and ample room for efficient layering. Fresh new colours include lighter shades to keep you cool in warm, humid conditions. Shawl collars, adjustable cuffs, zip closures, pocket vents and drawcord waists are designed for Australia's climate where ventilation is just as important as insulation.

INTRODUCING VERSATILE BODYWEAR

The revolutionary new DRYTECH fabric used in bodywear has a unique multiple density knit that draws moisture rapidly away from the body – better than any other fabric tested. Soft, brushed DRYTECH traps warm air when layered with outer garments. Worn on their own our DRYTECH tops and pants are ideal for milder weather. Light and loose-fitting and unlike polypropylene and chloralibre DRYTECH will not retain body oils or odours. Nor will it shrivel in hot washes.



SYDNEY
[City] 507 Kent St.
[02] 264 2685

MIRANDA
527 Kingsway
[02] 525 6829

KATOOMBA
155 Katumba St.
[047] 822 014

JINDABYNE
Kawesaka Rd.
[064] 562 458

CANBERRA
11 Umadale St.
Braddon,
[062] 573 883

MELBOURNE
360 Little Bourke St.
[03] 670 4845

BOX HILL
8 Market St.
[03] 898 8596

LAUNCESTON
59 Brisbane St.
[003] 314 240



PLUSLITE
BLAZE

GORE-TEX
VORTEX

NEW PLUSLITE WARMWEAR

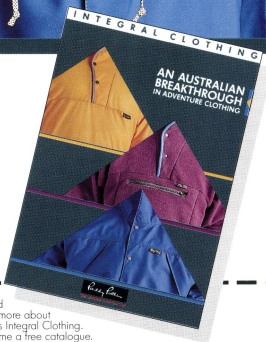
Incredibly warm for its weight PLUSLITE dries amazingly fast. Its outer surface will not pill and it's 35% lighter than other pile fabrics — much more versatile for Australian conditions. Integral warmwear jackets, pullovers and vests are designed for multiple layering without unnecessary bulk or weight.

SHELLWEAR FOR ALL-WEATHER PROTECTION

Proven waterproof and breathable GORE-TEX fabrics give optimum performance in our new Shellwear designs. STORMTECH — a rugged new waterproof fabric has an outstanding elastomer coating to withstand years of hard wear. Integral shellwear includes full-length coats, ski anoraks and expedition jackets.

FIELD TESTS FULL OF PRAISE

For the past 16 months Integral Clothing has been put to the test everywhere from Nepal to Antarctica. Some 35 skiers, expeditioners, walkers and climbers gave the system a thorough thrashing. Their test reports helped us make good designs even better. See the complete Integral Clothing range at any Paddy Pallin store. Or fill in this coupon and we'll send you a free Integral Clothing Catalogue.



YES, I would like to know more about Paddy Pallin's Integral Clothing. Please send me a free catalogue. My address is:

NAME

ADDRESS

POSTCODE

POST TO: Paddy Pallin Pty. Ltd.,
Unit 14F, Hardern Place, Camperdown,
NSW 2050

Paddy Pallin

HOBART
74-78 Elizabeth St.
(002) 310 777

ADELAIDE
40 Waymouth St.
(08) 212 7857

PERTH
Shop 11, 105 Lord St.
(09) 325 5984

MAIL ORDER
Unit 14F, Hardern
Place, Camperdown,
NSW 2050

Paddy Pallin

THE LEADERS ON ROCK

EDELWEISS CLIMBING ROPES

There's no lighter single rope than the new 9.8mm Ultralight from Edelweiss – 61gm per metre for a 6 UIAA fall rope. Excellent handling and high abrasion resistance. Also available in 8mm for twin ropes.

Verdon	11mm x 50m	\$186.50
Verdon	9mm x 50m	\$139.50
Ultralight	10.5mm x 50m	\$336.00
Ultralight	9.8mm x 50m	\$312.00
Ultralight	8mm x 50m	\$250.00
Ultralight	8mm x 90m	\$435.00
Stratos	10mm x 50m	\$400.00

EDELRID CLIMBING ROPES

Classic	11mm x 50m	\$331.20
Classic	9mm x 50m	\$260.20

STATIC ROPES

Edelweiss Neon	11mm x 200m	\$4.45
Edelrid Superstatic	11mm x 200m	\$4.70
Edelrid Superstatic	10mm x 200m	\$3.85
Edelrid Superstatic	9mm x 200m	\$3.30

ACCESSORY CORD

	per metre		per metre
3mm	\$0.85	6mm	\$2.40
4mm	\$1.15	7mm	\$2.70
5mm	\$1.75	8mm	\$3.20

WEBBING & SLINGS

	per metre
18mm Tubular Tape	\$2.50
25mm Tubular Tape	\$2.75
16mm Chouinard Quick Draws	\$3.15
25mm Chouinard Quick Draws	\$3.40
16mm Chouinard Sewn Sling	\$4.95
25mm Chouinard Sewn Sling	\$7.95

CLIMBING HARNESSES

The Bad Escalade is a new European style two-piece harness with a new gear racking system and the choice of regular and long leg loops in four sizes.

Chouinard Bod Harness	\$66.00
Chouinard Bod Escalade	TBA
Chouinard Bod Alpine Harness	\$45.00
Chouinard Adjustable Chest Harness	\$35.00
Astro Harness	\$88.50

CHOUINARD CARABINERS

Light D 2300kg	\$ 9.50
Oval 2000kg	\$ 9.50
New Standard 2100kg	\$ 9.50
Pearabiner Locking 1800kg	\$17.50
Light D Locking 2300kg	\$16.50

DMM KARABINERS

At 38gms the DMM 2000kg Lightning is the "lightest karabiner in the galaxy". The large back radius of the section minimises rope wear. Another DMM innovation are the Kwikloks – strong, easy to use locking biners.

Lightning 2000kg	\$15.50
Lightning 2500kg	\$14.25
Offset D 2300kg	\$11.10
Offset D 2500kg	\$13.95
Offset D Kwiklok Alloy 2500kg	\$25.50
Offset D Kwiklok Nylon 2500kg	\$23.95

KARABINERS

Stuba 9850 Steel Big D 2500kg	\$22.00
Kong Ultralight Clipgate 2300kg	\$ 9.50
Kong Ultralight Screwgate 2300kg	\$11.55

CAMMING DEVICES

Double axles and a unique cam spiral give Chouinard's Camalots a wider operating range than other camming devices.

Chouinard Camalot #1	\$57.90
Chouinard Camalot #2	\$62.90
Chouinard Camalot #3	\$77.00
Chouinard Camalot #4	\$82.50

RP WIRES

#0 & #1	\$6.00*	#4 & #5	\$7.50*
#2 & #3	\$6.75*		

CHOUINARD WIRED STOPPERS

The new 5th generation of stoppers feature reduced curvature and a new horizontal taper for flares and bottoming cracks. Soon to be colour coded.

#1, 2, 3, 4, 5, 6, 7 & 8	\$8.50*
#9, 10, 11, 12 & 13	\$9.50*

CHOUINARD HEXENTRICS

#1, 2 & 3 Wired	\$9.50*	#7, 8 & 9	\$ 9.50*
#1, 2 & 3	\$7.00*	#10 & 11	\$11.00*
#4, 5 & 6	\$7.50*		

ASCENDERS

Jumars	\$149.80
--------	----------

DESCENDERS

DMM Figure 8	\$26.00
DMM Anka	\$39.95
KONG Figure 8	\$17.30
Chouinard Light Figure 8	\$24.95

BELAY PLATES

DMM Bettabrace	\$14.95
Chouinard Micro Single	\$13.50
Chouinard Micro Double	\$15.50
Sticht Plate 11mm	\$25.00
Sticht Plate 11mm/11mm	\$28.50
Sticht Plate 11mm/9mm	\$28.50
Sticht Plate 9mm/9mm	\$25.00

ROCK & MOUNTAINEERING BOOTS

Scarpa Rockstars	\$219.00
Scarpa Grinta	\$315.00
Scarpa Grinta Extrem (EVA liner)	\$439.00

CLIMBING ACCESSORIES

Chouinard Padded Gear Sling	\$12.90
Chouinard Adjustable Padded Gear Sling	\$26.25
Chouinard Forearm Trainer	\$ 5.20
Stuba Pulley	\$23.50
DMM Nutter	\$ 7.95
DMM Chalk Bag	\$25.50
Edelrid Durace Helmet	\$84.80
Chouinard Catalogue	\$ 1.75

*Prices each.

Prices and specifications subject to change without notice. Not all items available from all outlets.

PADDY PALLIN STORE ADDRESSES

SYDNEY	(City) 507 Kent St. (02) 264 2685
MIRANDA	527 Kingsway. (02) 525 6829
KATOOMBA	166 Katoomba St. (047) 822 014
JINDABYNE	Kosciusko Rd. (064) 562 458
CANBERRA	11 Lonsdale St, Braddon. (062) 573 883
MELBOURNE	360 Little Bourke St. (03) 670 4845
BOX HILL	8 Market St. (03) 898 8596
LAUNCESTON	59 Brisbane St. (003) 314 240

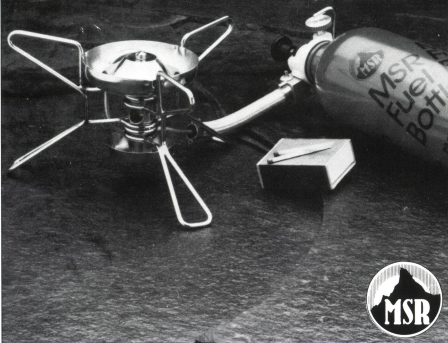
HOBERT ADELAIDE PERTH MAIL ORDER

76 Elizabeth St. (002) 310 777
40 Waymouth St. (08) 212 7857
Shop 11, 105 Lord St. (09) 325 5984
Unit 114F, Hordern Place, Camperdown
NSW 2050.

Paddy Pallin
THE LEADERS IN ADVENTURE

WHISPERHOT!

The MSR WhisperLite is hot! It can boil a litre of water in well under four minutes. ▶ The WhisperLite is quiet and efficient. The innovative, ported burner can unleash a 'Krakatoa blast' or can be tamed to simmer and, with windshield, performs even in adverse conditions. ▶ The WhisperLite is light and compact! This stove folds to fit inside your cook set. ▶ The WhisperLite is easy and safe to operate. The unique MSR stove pump is stored, inserted, in a one litre fuel bottle, eliminating dangerous fuel handling. ▶ The WhisperLite is a reliable and durable stove with a distinguished expedition heritage. ▶ Available from all good outdoor shops. Sole Australian distributor: DB Biggs Pty Ltd, 153 Sussex Street, Sydney, NSW 2000.



Trek in the Kashmir Himalaya

Explore the beautiful remote areas of Kashmir, Zaskar and Ladakh in the western Himalayas.

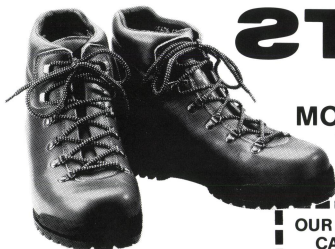
We offer a variety of trekking itineraries from 3-21 days OR, form your own party and let us apply our years of experience to assist in planning and organisation of your expedition.

Our company has been organising trekking in the region for 40 years; we have extensive knowledge of the region and can advise you on all routes in the western Himalayas, including those rarely trekked by commercial groups.

Contact our Offices for details of our standard programmes or to discuss your group's trekking requirements.

HIMALAYAN ODYSSEY

189 Park St, South Melbourne.
Tel (03) 690 6677. Licence no 30653.
7th Floor.
181 Elizabeth St, Sydney.
Tel (02) 264 8322.
Licence no 27A902623.
Level C.
308 Edward St, Brisbane.
Tel (07) 221 6655.
In cooperation with
THE INDIA TOURIST
OFFICE



BOOTS

AT
MOUNTAIN EQUIPMENT
WE KNOW BOOTS
BACKWARDS.

Superb boots for:
Trekking, Travelling,
Bushwalking,
Mountaineering,
Climbing, Skiing.

Telephone orders & credit cards
welcome.

OUR NEW BOOT BROCHURE IS FREE!
CALL US TODAY ON (02) 264 3146
OR WRITE TO THE ADDRESS BELOW
FOR YOUR COPY.

NAME:

ADDRESS:

..... P/C

291 SUSSEX STREET
SYDNEY, 2000.



CYCLOPS, going from strength to strength

For over a decade one outstanding rucksack system - Cyclops - was acclaimed by mountaineers world-wide as the epitome of strength, reliability and stability.

Today, the new system, Cyclops II develops all these inherent attributes further, to provide a system uniquely suited to technical mountaineering and heavy load carrying. Cyclops's stable carry is achieved through the fixed back system and top tension straps. The load can be transferred from the shoulders to the padded hip belt, as desired, via the integral frame, while top tension straps enable the weight to be kept close to the body for stability thus maintaining an upright posture.

The strength of the system lies in its frame, made from a 25mm flat bar aluminium alloy HE30TF which combines strength with sufficient malleability to enable the sac to be moulded to the wearer's back. This, together with the availability of two back sizes, ensures a precise comfortable fit.

For increased reliability, the hip belt runs completely through the back of the sac as do the side compression straps on key models.

A double - reinforced base is standard. Models Alp and Scorpion both feature extendible lids and are available with a third back size specially tailored to fit the female form, while four further models with capacities from 55 to 100 litres complete a range which caters for a wide variety of needs.

CYCLOPS II BACK

KEY:

1. Extendible and Contoured Lid
2. Haul Loop
3. Top Tension Buckles
4. Top Tension Straps
5. Integral Aluminium Frame
6. ADVENT Back with Body Profile High Density Foam
7. Side Compression Straps which pass right through the Back
8. Curved and Contoured Shoulder Harness
9. Chest Harness
10. Shoulder Strap Adjustment Buckles
11. Nylon Reinforced Base Corners
12. Central Channel for Spine Protection and Ventilation
13. Shoulder Strap Fillet Tape and Hip Belt originate from Base of Frame
14. Conically Shaped, Padded Hip Fins which pass right through the Back
15. Bergbuckle® for Quick Release and Non-Slip Adjustment



CYCLOPS II
the birth of a new legend



OUTDOOR AGENCIES PTY LTD., UNIT 14F, HORDERN PLACE,
CAMPERDOWN, N.S.W. 2050, AUSTRALIA.

Call in to your nearest Berghaus stockist to see the full range of Berghaus outdoor clothing, Scarpa footwear and Berghaus rucksacks.

Queensland

Scout Outdoor Centre; Brisbane
Adventure Camping Equipment;
Townsville

New South Wales

Waddy Pailin; Sydney, Miranda,
Sydney, Jindabyne
Scout Outdoor Centres;
Sydney, Hurstville, Liverpool,
Sydney, Warramatta, Newcastle, Wagga
Mountain Equipment; Sydney
Eastwood Camping; Eastwood
Bail Country Camping; Bathurst
The Shop Lucas-Chakola;
Angaroor Valley
Bushcraft Equipment; Wollongong

Australian Capital Territory

Waddy Pailin; Canberra
Kurkiewicz Camping; Fyshwick

Victoria

Waddy Pailin; Melbourne, Box Hill
Scout Outdoor Centres;
Melbourne, Mitcham, Moorabbin,
Geelong
The Wilderness Shop; Box Hill
Eastern Mountain Centre;
Lamberwell Junction
Outsports; Caulfield, Frankston
Outdoor Gear; Ballarat
Mountain Sports; Wodonga

Tasmania

Waddy Pailin; Hobart, Launceston
Mountain Creek Camping and
Clothing; Hobart

South Australia

Waddy Pailin; Adelaide

Western Australia

Waddy Pailin; Perth
Scout Outdoor Centre; Perth

Northern Territory

Avies Sports; Darwin

SOMETHING NEW IN SLEEPING BAGS!!

- Compact
- Lightweight
- Warm as down
- Non-allergenic
- Unaffected by dampness



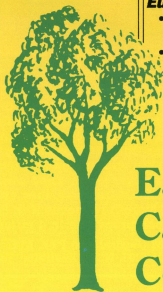
"Following my extensive testing I can say with confidence; the Roman - Wilderness Range of sleeping bags are amongst the most versatile and capable sleeping bags I have ever used."

Ian Sinden - Manager, Eastwood Camping Centre

SPECIAL PRICES while stocks last!!

Eureka! Tents

- Eureka - Caddis Tunnel - 2 to 3 person.
Was \$445.00 Now \$357.00
- Eureka - Alpine Meadows (Including Vestibule)
Was \$399.00 Now \$325.00



Eastwood Camping Centre

Contact us now for complete information (02) 858-3833
3 Trelawney, St Eastwood NSW 2122

berghaus

OUTDOOR AGENCIES PTY LTD
UNIT 14F, HORDERN PLACE,
HAMPERDOWN, NSW 2050, AUSTRALIA



Peter Storm®

MAKES YOU LOOK GREAT



CHLOROFIBRE TAKES 8 SECONDS

Nature uses the evaporation of body moisture to cool your skin when you're hot, but that evaporation can be a real killer in cold weather. If you want to keep warm, you have to keep dry — and that's where Chlorofibre scores over other fibres. Chlorofibre garments move perspiration away from the skin with uncanny effectiveness. They insulate like nothing else you've ever worn. They wash and dry easily. Most other fibres do not move moisture away, they swell and retain it.

Scientific tests prove Chlorofibre moves it in 8 seconds!

The next best is polypropylene in 4 minutes.

PETER STORM (Australasia) PTY. LTD.

2/4 Wilmette Place, Mona Vale 2103, NSW, Australia. Tel: (02) 997-3611.

Available from THE PETER STORM SHOP at: Mountain Equipment, Sydney; Whitworths Nautical World, Brookvale; Scout Outdoor Centre, Adelaide; Bush and Mountain Sports, Melbourne.

Also available from: Aussie Disposals' 23 locations, Scout Outdoor Centres, Peter Green, Paddy Pallin, Southern Cross Equipment, Tickles Marine, Hunts Marine, Glascraft Marine, Mountain Designs, and other leading marine, ski and camping specialists.

Reversal on NSW Parks

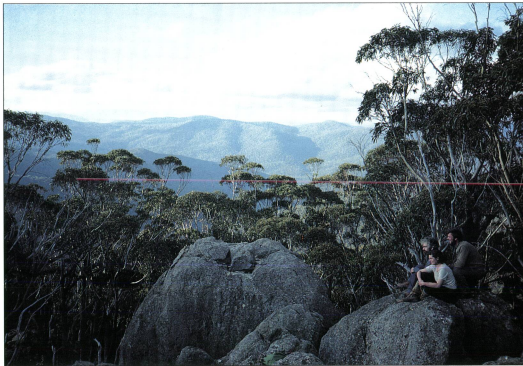
New government abandons south-east forests

● **NSW Park News.** Shortly before its spectacular demise over the State election earlier in the year, the former New South Wales Labor Government announced a number of extensions to NSW's parks and, in particular, the creation of more than 80,000 hectares of new parks to protect the south-eastern forests which are threatened by woodchipping operations based at Eden. A \$35 million compensation package for people affected by the creation of the new parks was also proposed. However, the new Liberal government has announced that it will not proceed with Labor's plans for the new parks in the south-east, but will instead create 'appropriate flora and fauna reserves'. The Wilderness Society is concerned that these will not create adequate protection for the remaining tall forests in the area and asks readers to write to the NSW Premier, Nick Greiner, c/- Parliament House, Macquarie Street, Sydney, NSW 2000, calling on him to protect the forests and the unique fauna they contain. The society is conducting a walks programme in the area, with trips to Coolangubra, Tantawangalo and Egans Peak every second week-end in July, August and September: details (02) 267 7929.

Additions to NSW parks in other areas, announced by the former Labor Government, will stand. These include the protection of two 'new wilderness areas' under the recently passed Wilderness Act (see *Wild* no 28). These are the 18,500 hectare Mann Wilderness, which joins Nymboida National Park in the Clarence valley west of Grafton and the 8,375 hectare Ettrema Wilderness, which joins the Morton National Park near the Shoalhaven River west of Nowra.

● **Resorting to Destruction.** The Wilderness Society has expressed concern over a recent resort development plan for Queensland's Lindeman Island. The proposal is to build three separate resorts, a marina and a shopping complex on a special lease over part of the National Park at the south-eastern corner of the island. The Wilderness Society fears that if the Queensland government gives approval for a tourist development of this scale within a National Park it would create a serious precedent. The society asks readers to write to the Queensland Premier, Mike Ahern, c/- Executive Building, George Street, Brisbane, Qld 4000, urging him to reject the proposal and to properly protect the State's National Parks.

● **Tropicon.** Chillagoe, north Queensland, is the exotic venue for the Australian Speleological Federation's seventeenth biennial conference, to be held on the last five days of 1988. Whilst world renowned for its tropical tower karst, because of its remoteness, Chillagoe has been visited by only a relatively small number of cavers. The conference, Tropicon, is a chance



Above. Coolangubra vista: threatened by southern NSW woodchip operations. David Poland. **Below.** the Treseder brothers 'sniking' up Govetts Leap Creek, Blue Mountains, NSW. Treseder collection

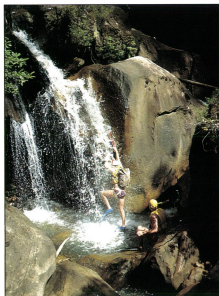
for many cavers to rectify that. Pre-conference field trips are planned to the Rockhampton area, particularly Mt Etna's Bat Cleft. (Since publication of the report in *Wild* no 28 about damage to this area caused by quarrying limestone for cement manufacture, the company concerned has announced that it will surrender its biggest mining lease on Mt Etna to protect Bat Cleft. The 18.2 hectares involved will become a reserve.)

Further details on Tropicon can be obtained from the Chillagoe Caving Club, PO Box 92, Cairns, Qld 4870.

Stephen Bunton

● **Under the Boardwalk.** The Cairns Bicentennial Community Committee's official project for 1988 is the construction of a 1.3 kilometre mangrove boardwalk in the north Queensland city, at a cost of \$330,000.

● **Events.** In March, Peter Treseder climbed the 300 metre West Wall of the Three Sisters, Katoomba, NSW, 22 times in 12 hours. (Each ascent started from Honeymoon Point bridge and involved going down the Giant Staircase and round the base of the Three Sisters, up the West Wall and back down to the bridge.) Treseder's outing was completed at night and



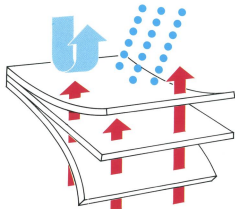
in rain. It easily broke the previous record of eight circuits and helped raise \$17,200 for the Search and Rescue Unit of the NSW Federation of Bushwalking Clubs.

Another Treseder activity took place in the Blue Mountains at the end of January, 'to support the creation of an aquatic park in the

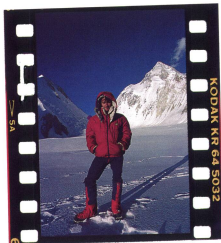
WHY THE PERFORMANCE IS WORTH THE PRICE

How can Gore-Tex fabric be waterproof and windproof yet still breathe?

Sandwiched between layers of fabric, each square centimetre of the remarkable Gore-Tex membrane contains over a billion microscopic



pores. These pores are randomly offset to stop rushing winds and too small to allow liquid water to penetrate, but large enough to allow



J&H Gore-Tex Big Bird duvet. Gasterbrum II. Geoff Little

your perspiration vapour to escape. Garments made from Gore-Tex fabric are both windproof and waterproof. Because perspiration vapour passes through the membrane you stay dry, comfortable and safe while active or at rest—

protected from wind, rain, snow and your own perspiration.



Tim Macarthy-Snappe in a Mountain Designs Gore-Tex windshirt. Gasterbrum II. Greg Child

The fabric is waterproof, but what about the seams? Garments made from any waterproof material are only as waterproof as the seams. The seams of all garments made from Gore-Tex fabric are permanently sealed and strengthened during manufacture with Gore-Tex seam-sealing tape and hot-air-welding equipment.



Paddy Peim Gore-Tex Lachlan anorak. Andrew Barnes

What should I wear under my Gore-Tex fabric garment? Whatever you like. You'll probably start with synthetic long underwear to wick perspiration moisture away from your skin. Simply add layers, depending upon how much insulation you need to stay comfortable,

making adjustments to suit the weather and your level of activity.

Will I sweat in Gore-Tex fabric

garments? Of course, just as we can when wearing a T-shirt or nothing at all. The hotter we get, the more we perspire. However, whenever you need weatherproof protection you'll be drier inside a 'breathing' Gore-Tex fabric garment.



Superior Sportswear Gore-Tex bushwalking jacket. Victorian Alps. Michael Collier

Is Gore-Tex durable? As well as providing unrivalled protection and comfort, the laminated membrane liquid-barrier outlasts any conventional fabric-proofing. Gore-Tex fabric requires no special laundering. A garment can be cleaned by standard machine washing using powder detergent. W L Gore and Associates offer a three-year warranty on Gore-Tex fabrics used in garments bearing the Gore-Tex fabric warranty tag. Garments carrying our warranty tag are the most reliable, waterproof, windproof, and breathable you can buy. We guarantee it.



GORE-TEX FABRICS DO MORE

Blue Mountains'. Called 'sniking', a combination of hiking and snorkelling, the event saw Treseder and his brother, Neil, floundering up Govetts Leap Creek each wearing flippers and a snorkel.

The Sydney chain of specialist outdoor shops, Southern Cross, has announced the establishment of the Southern Cross-Outward Bound Scholarship. Under the scholarship, Southern Cross will donate the Outward Bound course fee (approximately \$1,000). Up to \$200 credit from its shops—for clothing and equipment that are necessary to conform to the Outward Bound course gear list—will also be awarded. People aged 17–29 years are eligible to apply for the annual scholarship for an Outward Bound Standard Course. Applications for the 1989 scholarship close at the end of September. Contact Outward Bound for details: (02) 29 7785.

The inaugural Wilderness Expeditions Kosciusko Ascent (announced in *Wild* no 25) was held on 28 November 1987 in perfect conditions. The event involved a total climb of over 1,800 metres and a distance of about 20 kilometres. There were 54 entrants, including 7 women. The Men's A Class section (16–29 years) was won by Michael Walters (3 hours 9 minutes 12 seconds) in a dead-heat with the winner of the Men's B Class section (30–45 years), Maurice Ongania. Winner of the Women's combined A and B Class sections was Louise Fairfax in 3:48:10. Max Scherleitter (age 57) won the Men's C Class section (over 45 years) in 4:27:13. This year's event will be held on 19 November—details are available from Wilderness Expeditions: (02) 959 5499.

● **Not Retiring.** Following the report in *Wild* no 27 of the retirement of Warwick Deacock as Honorary Royal Nepalese Consul-General in Australia, Christine Gee, another well-known adventure travel personality, has been appointed to the position.

● **Fire and Rain.** A lightning strike two kilometres west of Round Mountain in Kosciusko National Park, NSW, started a bushfire which damaged hundreds of hectares of bush and destroyed Ogilvies Hut in January. A week later Mt Kosciusko received heavy and unseasonal snowfalls after two days of intermittent hailstorms.



Above, competitors in the inaugural Wilderness Expeditions Kosciusko Ascent, Tim Macartney-Snape. **Below,** Wonnangatta Station from near the Viking, Michael Collier

● **Wonnangatta Station Under the Hammer.** Victoria's Department of Conservation, Forests & Lands has purchased this famous 445 hectare cattle property in the heart of the Wonnangatta–Moroka National Park for a sum reported to be \$475,000. (*The Australian Financial Review* observed that this move is in direct contrast to the Victorian Government's stated intention earlier this year of selling, rather than buying, property. In an effort to boost its budget, the government has pledged to sell almost \$200 million worth of property over the next two years.) It is reported that the station will be incorporated into the surrounding National Park and that cattle will be banned from the site—and the neighbouring grazing leases, which cover 40,000 hectares. However, the thousands of vehicles permitted to visit this once-peaceful pocket of the Victorian Alps will

be allowed to continue to flock to what has become something of a four-wheel-drive mountain Mecca.

● **Heritage Destroyed.** An article in the March 1988 issue of *Parkwatch*, the magazine of the Victorian National Parks Association, has criticized Victoria's Department of Conservation, Forests & Lands for demolishing historic Dibbins Hut, which stood on the Coburg River below the Bogong High Plains. In its interim management plan for the area published in June 1983, Victoria's National Parks Service (now part of the Department of Conservation, Forests & Lands) wrote about Dibbins Hut: 'Major maintenance works are necessary to preserve the hut...special attention shall be given to Wallaces Hut, Cope Hut and Dibbins Hut to preserve their value as historic structures'. A new hut, which *Parkwatch* describes as not being even weather-proof, was built on the site by the department. (Wallaces Hut is the oldest building on the Bogong High Plains, and one of the finest examples of 'bush carpentry' in the Victorian Alps. Let's hope that the 'preservation' of this hut doesn't involve its destruction.)

● **Hired Help.** Victoria's Outdoor Recreation Centre has published a pamphlet listing sources of outdoor equipment for hire. Copies may be obtained by sending a stamped, addressed envelope to the ORC, PO Box 157, Hawksburn, Vic 3142.

● **Bulldozing the Park.** Earlier in the year, campers visiting Buandik, a once-beautiful campsite in Victoria's Grampians National Park, were dismayed to discover that the southern portion of the campsite had been bulldozed (leaving a dusty expanse) and fallen trees and other rubbish pushed into the creek which flows through the area. The park is administered by the Department of Conservation, Forests & Lands, which is presumably responsible for this latest attempt at 'beautification' in the region.





Arabian 6404
28 litres. 52 x 35 x 14 cm. Two zippered compartments and pocket. Padded back and harness.



Pacific 6605
42 litres. 55 x 30 x 18 cm. Top-loading internal-frame pack with draw-string closure. Lid pocket.



Beaufort 6902
57 litres. 64 x 40 x 21 cm. Front zip-opening internal-frame travel-pack. Subdivided lid-compartment with zip closure. Shoulder-strap and carry-handles. Ten tie-on patches.



El Dorado 6703
75 litres. 70 x 43 x 24 cm. Top-loading internal-frame pack with draw-string closure. Zip access to optional bottom compartment. Lid and two side-pockets.



Frontier 6706
77 litres. 77 x 38 x 23 cm. Top-loading internal-frame pack with draw-string closure. Extendable lid with pockets. Tie-on patches.



Caribee packs are made from waterproofed **PERMA CLOTH**, a high-density, durable nylon pack cloth. All Caribee internal-frame packs have compression straps and fully-adjustable, contoured, and padded harness, lumbar support and hip-belt. Naturally, workmanship and materials are guaranteed.

Caribee

The most extensive range of packs and tents in Australia. Ask for Caribee packs, tents, and accessories at Paddy Pallin, Scouts, Southern Cross, Mountain Designs, and all other good bushwalking shops.

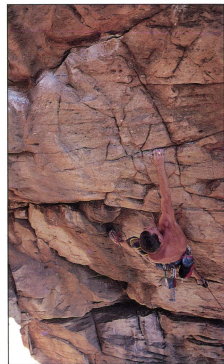
Caribee packs

Hard Rock

Major climbing breakthroughs in Victoria

● **Rockclimbing News.** So far, 1988 has seen a number of spectacular rockclimbing developments, particularly in Victoria. At Mt Buffalo, UK climber Steve Monks scored a remarkable coup by leading the first free ascent of Ozymandias, as one of Australia's first multi-day aid climbs, by Wild Editor, Chris Baxter and Chris Dewhurst in 1969. With pitches graded 24, 29, 26 and several of 22, 300 metre Ozymandias is easily the hardest long climb in Australia. After working on the first three pitches for several days (the upper pitches had been freed, at grade 22, some years earlier), Monks returned and led the whole route free in a single eight-hour push.

At Mt Staplyton in the Grampians, Monks led the first free ascent of The Seventh Banana (grade 27) on spectacular Taipan Wall. However, his achievement was overshadowed by Malcolm Matheson's extraordinary new route, Serpentine (31), which climbs the highest part of this great leaning wall. The hardest ascent yet made by an Australian, this landmark climb is the most difficult in the country—except for one or two routes at Mt Arapiles, which have not yet received Australian ascents.



Above, Paul Smith on the first ascent of Lats in the Belfry (grade 31), Mt Arapiles. Clare Blues. Above right, signs of planned road extensions, Snowy Range, Tasmania, Doug Palmer

At Mt Arapiles another UK climber, Paul Smith, left his mark with a short but very steep route which he graded 31—Lats in the Belfry.

A sadder occurrence at Mt Arapiles was the death of young Melbourne climber Ian Leeson, who fell while climbing unroped near Dreadnought Gully.

The proposed 'falcon nesting ban' on rockclimbing at Mt Arapiles has drawn heavy fire from climbers and others, including local

people (see *Wild* no 28). Climbers have been declared a threat to falcons nesting in the area, but the Department of Conservation, Forests & Lands (which administers the area) apparently sees no danger to the birds from helicopters—it has permitted media helicopters to operate near the cliffs on at least two occasions in recent times.

Local climbers Pete Steane and Garn Cooper established an important new route on the East Face of Frenchmans Cap (one of the most awesome cliffs in Tasmania, if not Australia) in February. Called The Lorax (grade 20), the 380 metre route takes an intricate line between The Great Flake (see *Wild* no 10) and Conquistador, finishing up the last half-pitch of The Great Flake. Ironically, The Lorax is the easiest of three routes on the face.

● **Grand Prix.** The Ajays Grand Prix Telemark Series has been broadened following the addition of four co-sponsors. More prize money has been made available and a perpetual trophy instituted. The 1988 series comprises four events to be held on Victorian and NSW snowfields this winter—details from Ajays (telephone 03 729 7844).

● **Warrnambool Walks.** A local bushwalking club, Warrnambool Walkers, has compiled a pamphlet outlining 12 scenic walks near Warrnambool on the south-western coast of Victoria. The club can be contacted at PO Box 425, Warrnambool, Vic 3280.

● **Happy Landing?** The Australian Conservation Foundation and the Wilderness Society are up in arms over a proposal by the Tasmanian Government to allow the construction of a \$6 million hotel complex at Warners Landing on the lower Gordon River, in the heart of the South-west wilderness area. As we go to press, the matter is before the Federal Government for approval, but conservationists fear that the Federal Government is showing signs of buckling to pressure from the Tasmanian Government on the issue.

● **Deeper Again.** The Growling Swallow-Ice Tube system is once again the deepest known cave in Australia following a February dive to 18 metres in an existing sump by Nick Hume and James Davis. The total depth of the system now stands at -378 metres.

Cave diving also yielded a significant discovery in Judds Cavern, in the Cracroft River region. A nine-person Tasmanian Caverneering Club trip at Easter carried the necessary equipment into the cave, where Stefan Eberhard made the initial breakthrough. After a sump measuring 30 metres long by 6 metres deep, Eberhard reached a large dry passage. He was followed by his brother, Rolan and Nick Hume. The trio spent six hours beyond the sump exploring 1,400 metres of passage. This discovery effectively doubled the cave's known length and is probably the longest section of Australian cave explored and surveyed in a single day.

The Southern Caverneering Society has also been active, with discoveries in Rift Cave in the Juneau-Florentine region. A side passage near

the entrance was explored to a new deepest point of -180 metres.

Wild Contributing Editor for Caving, Stephen Burton, recently made the second solo descent of Khazad-Dum (-323 metres).

SB



● **Forestry Road Extension.** Following the discovery by bushwalkers of marked trees near the Lake Skinner Track on the flanks of Tasmania's Snowy Range, conservationists are concerned that more roads, and logging, are planned for the area. The range separates pristine rainforest in the Weld River valley from the cultivated land of the Huon valley, south of Hobart. Some of the lower slopes of the range show ample evidence of having been logged in the past.

● **Developing the Parks.** The Australian Conservation Foundation claims that a South Australian National Parks and Wildlife policy of 'privatization' has thrown open South Australian parks to developers and raised the possibility of an Australia-wide trend. The 'privatization' policy has been introduced because, as in other parts of Australia, the area of South Australia which has been reserved as park has increased significantly in recent years, but staff and management resources have not.

The South Australian Government is already considering a plan to build a cable-car system across Cleland Conservation Park in the Mt Lofty Ranges. Other proposed developments for South Australian parks include an \$8.5 million 'fun park' at Anstey Hill Reserve and a \$50 million hotel, camping and shopping complex for the Flinders Ranges National Park.

● **A Celebration Walk.** In July–September, members of the South Australian bushwalking club, Adelaide Bushwalkers, plan to walk 300 kilometres of the northern Flinders Ranges in six linked walks, each of a week's duration, in celebration of Australia's bicentenary.

la Robusta la beauty!



Model Explorer

Model Ultralite



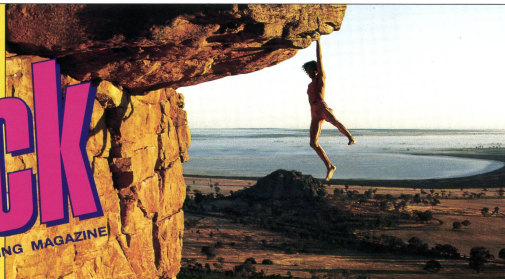
Available from the following INTERTREK outdoor shops

TORRE MOUNTAIN CRAFT Shop 10, 600 Sherwood Road, Sherwood 4075, Phone (07) 379 5549 **MOUNTAIN EQUIPMENT** 291 Sussex Street, Sydney 2000, Phone (02) 264 3146
EASTWOOD CAMPING CENTRE 3 Trelawney Street, Eastwood 2122, Phone (02) 858 3833 **BUSHCRAFT EQUIPMENT** 29 Stewart Street, Wollongong 2500, Phone (042) 29 6748
JURKIEWICZ CAMPING CENTRE 47 Wollongong Street, Fyshwick 2609, Phone (062) 80 6519 **THE WILDERNESS SHOP** 1 Carrington Road, Box Hill 3128, Phone (03) 898 3742
OUTSPORTS 3408 Hawthorn Road, Caulfield South 3162, Phone (03) 523 5727 **OUTSPORTS** 36 Young Street, Frankston 3199, Phone (03) 783 2079
JOLLY SWAGMAN 107 Elizabeth Street, Hobart 7000, Phone (002) 34 3999 **FLINDERS CAMPING** 108 Gawler Place, Adelaide 5000, Phone (08) 223 1913

Feel the energy of the hot Oz rock scene; a unique rock-climbing magazine and unforgettable T-shirts.

Rock

AUSTRALIA'S CLIMBING MAGAZINE



Stefan Glowacz downclimbing, unroped. Kachooing (21), Mt Arapiles, Australia. Photo: Glenn Robbins

Rock, Australia's climbing magazine, **1986** and **1988** editions only **\$5.95** each.

Premier quality Oz **Rock** and **Rock Rules** T-shirts only **\$13.95** each (sizes 12, 14, 16, 18, 20).

We pay postage. Send order, name and address with cheque, money order, Bankcard, Visa card or MasterCard details (cardholder's name, signature, card number, card expiry date and purchase date) to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181, Australia. Allow several weeks for delivery.



\$5.95 1988 edition
 (1986 also available)



\$13.95 Oz Rock
 sizes 12, 14, 16, 18, 20



\$13.95 Rock Rules
 sizes 12, 14, 16, 18, 20

Mexican Madness

Australians discover major caves

● **More Under Mexico.** Following the success of the 1985 Australian caving expedition to Mexico (see *Wild* no 25), a larger group of 17 (mostly Australian) cavers, calling themselves the Chilchotla '87 Expedition, returned to the village of Zongolica in southern Mexico.

The advance party arrived in early November. Hoping for a world depth record, exploration started in the highest limestone in the area, about 2,000 metres above sea level. Two caves were explored, both tight and muddy and with little to recommend them other than depth. Yua Nita terminated in a huge rockfall chamber at -704 metres and R'ja Man Kijao in a streamway which disappeared into an impenetrable boulder choke at -552 metres.

As the expedition ventured further from its base in search of caves, there were incidents with the Mazateca Indians. Rocks were hurled down at two cavers as they descended the entrance shaft of one cave, then the rope was cut while they were underground. Access to another cave was denied by a machete-wielding Indian. Apparently, they couldn't convince the Indians that treasure was not being taken from the caves.

By the end of December, the expedition had explored 3.5 vertical kilometres of new cave in 15 caves, including a dangerous one, Soncongá, which ended in a sump at -945 metres.

Exploration of the deepest cave in the area, Guivani, was frustrated when the lead at the bottom was cut off by flood water. Its explored depth was extended by 14 metres, to -954 metres.

In January a new cave, Nita Cho, was explored to a boulder choke at -894 metres.



The final 'score' for the expedition was the discovery of eight kilometres of vertical cave, two caves for Mexico's 'top-ten' list and four caves, each of over 500 metres deep. Zongolica now rates as one of the world's great caving areas.

Alan Warild



Above, a female competitor 'bites the dust' in the 1988 Bicentennial International Slalom and Wildwater Championships. **Right,** Russell Smith (UK), winner of the Men's Open K1 event in the championships. **Above right,** Stefan Eberhard after a soaking in Soncongá (-945 metres), Mexico. Alan Warild



● **Wet 'n' Wild.** Harvey, Western Australia, was the venue for the 1988 Bicentennial International Slalom and Wildwater Championships in January. The championships were held on the Harvey River immediately below the Stirling Dam and attracted more than 150 competitors from Australia, New Zealand, the UK, France and West Germany. International stars attending included Bruce Webb (NZ), the UK slalom champion, Russell Smith, Thomas Schmidt (West Germany) and the world's third-ranked female canoeist, Myriam Jerusalmi (France). The 600 metre slalom course consisted of rapids, a waterfall, pressure waves and many tight turns. Tasmanian, Lindsay Binning, was second to Smith in the men's open K1 event. Victorians, Danielle Woodward and Mandy Linden were second and third respectively to Jerusalmi in the women's open K1 event.

● **Success in the South.** In mid-February, all members of the Australian Bicentennial Antarctic Expedition—Jonathan Chester, Lyle Closs, Lincoln Hall, Chris Hilton, Greg Mortimer and Glenn Singleman—reached the 4,163 metre summit of Mt Minto, achieving the coveted first ascent of one of Antarctica's highest mountains. Following the early loss of the expedition's over-snow transport vehicle, members were forced to lug their supplies by foot for the 140 kilometres from their ship to the mountain. On the return trip, time was against them as their ship was in danger of being frozen

EMC BACKCOUNTRY BARGAINS!

HURRY WHILE STOCKS LAST . . .

VERSATILE PERFORMANCE

For the beginner, through to progressive tourer:

ROSSIGNOL LTS 49

- Sidecut of 59-49-54 allows great manoeuvrability.
- Proven Rossignol multistep base.
- Weighs just 1.72 kgs.
- A forgiving ski with soft to medium flex.

RRP \$184 SAVE \$25
EMC Price

\$159

TELEMARK FREAKS

Carve into this:
ASNES SONDRE TELEMARK

- Full length steel edges.
- 9 mm sidecut for easier turning (63-54-58 mm).
- New waxless quickstep base.
- Weighs only 2.4 kgs.
- Medium flex to suit most skiers.

RRP \$336 SAVE \$47 EMC Price

\$289

'BOMBPROOF' WINTER TENT

The original Wild Country
QUASAR (2 person)

- Weighs only 3.6 kgs.
- Double entrance/double porch (provides great flow through ventilation).
- Sturdy four pole design (7075 T6 alloy).

RRP \$595 SAVE \$100

EMC Price **\$495**

J&H GORE-TEX JACKET

THE J&H CATS & DOGS
Everything you need in a
Gore-Tex jacket:

- New draw-cord waist.
- The best hood on the market.
- Factory tape-sealed.
- Two big cargo pockets & chest pocket.

RRP \$255 SAVE \$40

EMC Price **\$215**

PETER STORM THERMAL UNDERWEAR

A basic necessity . . .

- Retains warmth when wet, extremely fast drying.
- Super light and compact.

Long Sleeve Crew Neck Top

RRP \$41.50 SAVE \$5

EMC Price **\$36.50**

Long Johns

RRP \$49.50 SAVE \$6

EMC Price **\$43.50**

Eastern Mountain Centre

401 Riversdale Road, Camberwell Junction, Vic 3123

(300 metres city side. Cnr Redfern Rd.)

Phone: (03) 882 7229

Mail Order: Free delivery, Australia wide (skis excepted)

Melbourne's Leading Cross Country Ski Shop - Sales & Hire

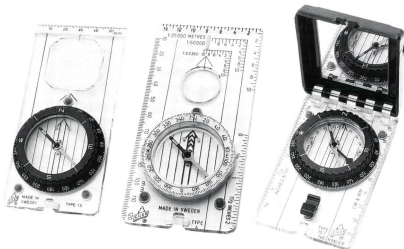




Beware of cheaper, look-alike imitations!

When a compass is built to the highest standards of accuracy, not deliberately down to a low price. When it's the only compass in the world that uses the finest Swedish steel in its sensitive magnetic needle. When it's filled with a unique non-yellowing anti-static liquid that resists bubble formation. When it's tested to operate in temperatures from -40°C to $+50^{\circ}\text{C}$. When it's specially counterbalanced to account for the magnetic dip forces found in Australasia. That's when it is a **SILVA** compass and you can be sure there is no better or more accurate compass you can buy.

Choose from over 30 different models at better camping stores throughout Australia, but beware of cheaper, look-alike imitations.



**And only SILVA compasses
come with a 5 year warranty.**

Wild Information

in for the winter. To avert this, assistance was summoned in the form of the Greenpeace helicopter—which happened to be in the area—and which plucked the climbers off the ice, some distance from the ship.

• **On Patrol.** The Hagen–Sepik patrol, led by James Taylor, was the longest and most arduous in the history of Papua New Guinea exploration. The patrol, which left Mt Hagen in March 1938 and returned in June 1939, began with 3 Australians, 22 PNG policemen and 230 local carriers. They traversed some of Papua New Guinea's wildest and most spectacular country and discovered new plants, birds and fossils and a great variety of local cultures.

A re-enactment has been planned to mark its fiftieth anniversary. The 1988 patrol commences in June and its route is to trace, as closely as possible, that of the original expedition, but utilizing modern transport in some sections.



• **Corrections/Amplifications.** The photos on pages 49 and 51 of *Wild* no 26 were reproduced back to front.

Alan Warild's solo descent of Reaseau Jean Bernard reported on page 27 of *Wild* no 27 took 39 hours (not 70 as reported).

J&H claims that in the survey of down sleeping bags (*Wild* no 27, page 81) the maximum stable loft of its Winterlite bag should be given as 25.0 and not 20.5 centimetres. J&H also advises that the Winterlite's hood is (now) cocoon-shaped, with a curved neck, not flat with a square neck as reported.

Both La Robusta boots surveyed in *Wild* no 28 (page 65) are inside-stitched (Littellway or Blake construction) and cement bonded.

Scarpa boots are distributed in Australia by Outdoor Agencies Pty Ltd, 14F Hordern Place, Camperdown, NSW 2050. This information was inadvertently omitted from the advertisement on page 58 of *Wild* no 28.

Readers' contributions to this department, including colour slides, are welcome. Typed items of less than 200 words are more likely to be published. Send contributions to the Editor, Wild, PO Box 415, Prahran, Victoria 3181.

SCOUT OUTDOOR CENTRE

J & H DARGO JACKET

NEW



Features:

- * Fully tape sealed Gortex
- * Drawcord hood with wired visor
- * Velcro stormflap over zip

Available in Red or Blue

\$199

Exclusive to Scout Outdoor Centres

20% DISCOUNT on Peter Storm Long Johns

- 85% Chlorofibre/15% Polyimide
- highest thermal qualities of any known fibre
 - Wicks body moisture away from the skin in seconds.



Normally \$49.95

Mention this ad and pay only

\$39.95

MONT SUPER FLEECE JACKET



Features:

- * Functional, stylish and comfortable design
- * High thermal properties even when damp
- * Lightweight
- * Quick drying

\$95

Available from:

SCOUT OUTDOOR CENTRE

MELBOURNE

360 Lonsdale Street

670 1177

MITCHAM

523 Whitehorse Road

873 5061

MOORABBIN

880 Nepean Highway

555 7811

GEELONG

172 Moorabool Street

(052) 21 6618

BENDIGO

79 Mitchell Street

(054) 43 8226

Prices effective until 30/9/88



SO

High Today, Gone Tomorrow

Wild Ideas

Essential reading about altitude sickness for trekkers and climbers,
by David Hunter and John Smart

● THE COMING-OF-AGE OF AUSTRALIAN mountaineering, documented by *Wild* in recent years, has been a part of the general explosion of interest in outdoors activity. The urge to climb higher has other little-understood companions—the urges to walk further, to paddle faster, to see what is round the next bend or over the next hill. Even before inspiring examples such as the first Australian ascent of Mt Everest (see *Wild* no 15), many Australians were following their urges to trek and climb in the world's high places.

The lure of the mountains is undeniable, their challenge exciting. For the trekker, they are a world of high valleys and passes; for the mountaineer, a world of snow and ice. Inextricably bound up with this allure is the matter of altitude. Onwards usually means upwards. For the trekker the highest passes lead to the best views, the most remote and unspoilt surroundings. For the climber the first question is often not 'How difficult?' but 'How high?'. In many ways, this world of altitude differs little from its more familiar counterparts. Trekking in the Andes may seem no more arduous than bushwalking in the Blue Mountains. The dangers (storms, rockfalls, avalanches) of reaching a Himalayan summit may be no greater than those of many New Zealand peaks. Only shortness of breath and a mild headache remind one of the biggest difference—altitude. They should also be reminders of an unfamiliar danger—the unseen danger of altitude, acute mountain sickness (AMS).

The most important thing to know about AMS is that it is not a weakness but an illness. A common attitude among trekkers and climbers is that altitude is an environmental hazard like cold or wind, something to be endured but not to be complained about. Admitting to AMS, or even admitting to concern about it, is often seen as a sign of weakness. Trekkers who take great pains to drink only safe water and eat only cooked food to protect themselves from an unpleasant, but rarely fatal illness, diarrhoea, blithely plan itineraries that take them from sea level to high alpine passes in a day or two, and expose themselves to the equally unpleasant, and much more lethal illness, AMS. Mountaineers take endless pains over route selection through dangerous terrain, then neglect to allow for a well-known and avoidable danger, altitude. Why this curious blind-spot?

The obvious excuse is ignorance, an excuse much less convincing now than it was a decade ago. Until the late 1950s very little was known about human reactions to altitude. This was partly due to the small number of people available to be studied at altitude. There are few permanent human habitations above 5,000 metres, and each year only a handful of expeditioners in the Himalayas and the Andes ventured above 6,000 metres. Admittedly, there



You never know when it might strike! Andrew Briggs

were reports of cases of mysterious deterioration and death at high altitude, but these were usually attributed to pneumonia or exhaustion.

Scientists interested in respiratory physiology became interested in the human response to altitude because they saw an opportunity to explore the mechanisms of response to low concentrations of oxygen in the blood that affect sea-level dwellers with respiratory diseases such as emphysema. The military became interested in the feasibility of quickly moving large numbers of troops to altitude, especially after the Indo-Chinese border war in which a high proportion of the Indian troops airlifted to Kashmir were incapacitated, not by the Chinese, but by AMS. In the 1970s, the boom in Himalayan mountaineering brought unprecedented numbers of climbers to Nepal, India and Pakistan. The recent trend away from large 'siege-tactic' expeditions to smaller, faster-moving alpine-style teams has increased the speed of ascent to high altitude, allowing less time for acclimatization.

This resulted in an epidemic of high-altitude deaths. The extent of this epidemic is hard to judge. Many deaths are recorded in expedition

books and climbing journals, yet even here the facts are frequently uncertain and the cause of death undetermined. Many more deaths go unrecorded because the expedition members are not part of a mountaineering association, or they are climbing 'illegally' without permits. Among deaths from avalanche, rockfall and the collapse of seracs are a sad number of deaths from pulmonary and cerebral oedema, the fatal conclusions of AMS. It seems likely that many of the deaths attributed to falls, especially those that occur mysteriously on relatively easy terrain, are at least in part caused by symptoms of AMS.

Paralleling this mountaineering boom was a larger boom in trekking, again bringing unprecedented numbers of people to high altitude. There has been a toll here as well, but its true extent is even more difficult to judge than that among mountaineers. Even in Nepal, with its system of trekking permits, it is difficult to be sure of the number of people trekking to particular altitudes, and there is no mechanism similar to alpine journals for recording the outcomes of those who do. In one of the best medical studies undertaken on this question, 54% of trekkers examined in Periche (a village two days' walk below Everest Base Camp) were found to have some symptoms of AMS, and the

Packs 3000 and 4000, from Chouinard Equipment

Pack 4000



Pack 3000

THE RANGE OF LIGHT.

Our new packs may weigh next to nothing, but they're light years beyond the flimsy gear that's made the word "lightweight" synonymous with "unreliable." These durable sacks are built to carry loads up to 40lbs without disrupting your balance or restricting your freedom of movement. And they're not just comfortable, they're tough.

- With only two main body seams, blowout potential is at a minimum.
- Shoulder and compression strap attachments are designed so that no main body seam is loaded with a major stress point.
- The pleated lids have under-lid tiedowns for ropes or extra gear, and feature the unique reach-through zipper arrangement that allows you to access the main compartment or the internal pockets without opening your pack.
- Well-articulated, padded shoulder straps and waist belts insure long-distance comfort, as do the anatomically shaped bodies.
- Packs come in two back lengths, Regular (22") and Long (24"). The 4000 has removable, adjustable internal stays; the 3000 is a frameless, technical rucksack. They are available in Australia at Paddy Pallin shops.

Materials: 420 Denier 8 oz Parapac nylon; 11 oz Cordura double bottoms

Pack 4000: 4000 cubic inches

Weight: 3 lbs 4 oz

Pack 3000: 3000 cubic inches

Weight: 2 lbs 8 oz

Chouinard Equipment, Ltd.

P.O. Box 110 Ventura, California 93002 USA

Chouinard and  are registered trademarks of Chouinard Equipment, Ltd.

WANTED

**Young men and women 17-30 years
men and women over 30 years.**

Brave enough to have a good, penetrating look at themselves and how they handle life.

Adventurous enough to tackle the unknown and to face new challenges.

Bold enough to risk new social relationships and to work with other people to achieve.

Strong enough to leave all that is familiar and to seek an understanding of their future.

Excited enough to want to expedition, cave, raft, rock-climb, abseil, canoe, ski.

Interested enough to want to see some of the most magnificent mountains, bushland, rivers, rainforests and natural places in Australia.

and

Courageous enough to decide that NOW is the time to find out what Outward Bound really is all about.



OUTWARD BOUND AUSTRALIA

Box 4213 GPO Sydney, N.S.W. 2001

Telephone (02) 29 7784.

Please send me information about -

Standard Course Men and Women 17-30 years. ☐

Adult Course Men and Women Over 30 years. ☐

Pack and Paddle for Boys and Girls 12-16 years. ☐

NAME

ADDRESS

P/Code..... Tel.....

AW WINTER 88

illness was judged to be 'life-threatening' in a number of them. No trekker in the Himalayas fails to hear anecdotes about trekkers dying in their sleep, or being rescued by being carried down. The Himalayan Rescue Association estimates that one in 30,000 trekkers in Nepal dies from AMS, which may not sound like many until you consider that hundreds of thousands of people go trekking in Nepal every year, most of them young and active. What these figures indirectly allude to, however, is the substantial number of mountaineers and trekkers, whose trips are ruined by their own or a companion's brush with AMS.

For the trekker, AMS is the one risk that can be almost completely eliminated with a little foresight. For the modern mountaineer, particularly on a lightweight, alpine-style expedition, the risk of AMS cannot be completely eradicated. Like most risks, however, it can be minimized. Deaths from AMS are almost always preventable, unlike many of the other mountaineering hazards, such as avalanche and rockfall, which have a random component.

There are two key interlocking principles in the prevention of AMS: 1 Ascent to high altitude should be slow and controlled. 2 Proper attention to both these principles would almost eliminate AMS as a cause of death at high altitude.

Controlled ascent is, without doubt, the key to the prevention of AMS. Almost any individual placed in a pressure chamber and suddenly 'taken up' to high altitude by the evacuation of air will experience acute difficulty breathing, and will ultimately lose consciousness. The same person may be able to function at the same air pressure if the evacuation of air takes place over many days, or weeks. This mimics the process of acclimatization. As each individual ascends through the atmosphere, physiological changes in breathing, haemoglobin concentration, urine output and even sleep patterns occur as the body tries to adjust to the diminished oxygen supply. Acclimatization describes a successful outcome, AMS results when the body is unable to acclimatize either because the rate of ascent has exceeded the individual's rate of acclimatization, or because the individual is simply unable to acclimatize past a certain altitude. The obvious question is, of course, 'How fast is too fast?'

By nature, trekkers and climbers tend to be anti-authoritarian beings. After all, for those who like being told what to do, there are bus trips to Ayers Rock. Recommendations about altitude gain are often met with the same negative reactions which greet trekking permit restrictions and visa requirements. The important thing to remember is that these recommendations are not bureaucratic whims—their sole aim is to prevent illness and death, possibly yours. The Himalayan Rescue Association recommends that above 2,130 metres, the maximum daily gain in height should be 300 metres with a complete rest day for every 1,000 metres gained. If symptoms of AMS appear, further ascent should not be contemplated and descent seriously considered.

The obvious response of the trekker is that these recommendations are frequently impractical. *Chai* houses or camping spots do not miraculously appear as one reaches the

300th metre above the last one. Impatient employers and infrequent aircraft may seek to impose a schedule that exceeds these limits. There is some rationale behind the first complaint as geographic constraints often enter the altitude equation. However, most trekkers get into trouble by consistently exceeding the recommendations over a number of days and, in particular, by not taking rest days. If you get a little bit ahead one day, you should climb less the next. Such has been the response of local hoteliers to the trekking invasion (in Nepal in particular), at least on the more popular routes, that there is now no excuse not to take rest days. If time constraints do not allow a safe rate of acclimatization for a trek, then that trek is not safe—there are plenty of others. All trekkers should ensure that the trek they, or their trekking company, are organizing can be safely completed in the available time, allowing a comfortable margin of days for bad weather, rest, or just enjoying the scenery.

For the climber the equation is a little more complex, but the principles are exactly the same. However, because of competing dangers, the situation for the climber is different from that of the trekker. It is no use pretending that it is always safer to obey altitude limits to the exclusion of other sources of danger. It is equally futile to pretend, however, that the existence of these other dangers gives climbers an excuse to ignore altitude limits. Mountaineers may choose to exceed them in exceptional circumstances, and this choice may be more or less sensible, but every mountaineer should be aware of the consequences of the choice and balance them with other sources of danger. At all times principles should be scrupulously adhered to—if symptoms develop, delay or descend.

The term 'acute mountain sickness' refers to an illness that ranges from a feeling of mild unwellness to a fatal condition. The common symptoms of mild AMS are headache, breathlessness, nausea, lack of appetite, difficulty sleeping and tiredness. These symptoms may cause nothing more than discomfort, yet they should not be ignored—they are warning signals. If the mountaineer continues to ascend, then one of the two more severe forms of AMS may strike. 'High altitude pulmonary oedema' (HAPO) is the name given to an illness characterized by extreme shortness of breath, often accompanied by a persistent cough, and eventually a bubbly sound when breathing. For reasons that are not fully understood, fluid leaks into the lungs, reducing their ability to transfer oxygen from the air to the blood. Victims gasp for air, and if they are not able to rapidly descend they may literally drown in their own fluid. The other often-fatal syndrome is 'high altitude cerebral oedema' (HACO) in which fluid leaks out of tiny blood vessels in the brain, causing a swelling inside the skull that creates pressure on the brain. The first symptom is headache, often accompanied by some difficulty in walking. The mountaineer may start to vomit, become irrational and ultimately slip into a coma. Again, unless descent is made, then death may result.

Both HAPO and HACO have occurred suddenly in mountaineers who claimed to be feeling well. HAPO and HACO can strike out of the blue. More commonly, however, they occur in people who have been feeling unwell with mild AMS, and have climbed higher despite

their symptoms. The absence of early symptoms in no way guarantees immunity from more serious illness; the presence of early symptoms does not guarantee that serious illness would occur should the climber continue ascent. The progression from mild to severe illness is sufficiently common, however, so that ascent in the face of mild symptoms can best be described as foolhardy.

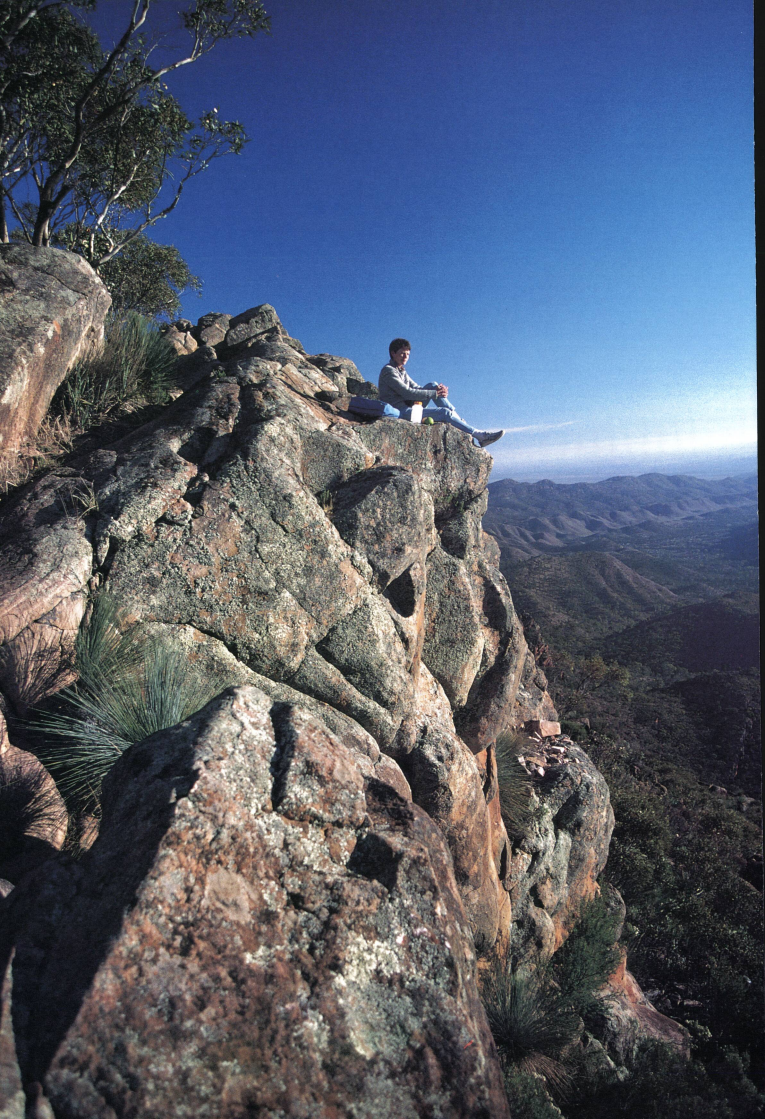
The problem for both trekkers and climbers is recognizing a mild form of the illness when there may be substantial pressures to ignore it. The well members of a large trekking party may not be inclined to change their plans because one person feels unwell. Goal-oriented climbers who have paid a substantial peak fee may not want to confront the fact that one of their members is moving very slowly and isn't eating very much. Differentiating between the shortness of breath on exertion that is inevitable at high altitude, and shortness of breath at rest which may be more sinister, is not easy when these are new sensations. The best prescription is given by Charles Houston, the dean of high-altitude medicine—'Listen to your body.' If you feel too ill to proceed, you probably are.

Another problem that requires individual judgement is whether to retreat once symptoms appear, or to stay put in the hope of acclimatizing. The safest course of action is to descend. Summit-obsessed climbers should remember that a brief descent followed by slow re-ascent may be more likely to result in the desired result than a summit push aborted because of the need to rescue a team member.

What should be done when AMS necessitates a descent? It is safe to resume a climb? There are no hard and fast rules; each case depends on a mix of factors—the intensity of the illness, the completeness of recovery, the seriousness of the climb and the consequences of turning back. An episode of AMS at a certain altitude, particular if it was induced by a too-rapid ascent, does not mean that the individual concerned should never climb higher. There are plenty of climbers who have experienced AMS, descended to base camp to recover and subsequently completed their climb. The rule does not change, however: if you have symptoms do not ascend.

Mountaineering involves risk. Trekking involves a much smaller risk. These risks can be minimized with a little thought and good sense. Most mountaineers who die get caught in bad weather or avalanches, fall into crevasses or fall off slopes. Few mountaineers ignore the warning signs associated with these dangers. Most trekkers who die do so from AMS. These are almost all preventable deaths. The two principles of slow ascent together with vigilance and appropriate action when symptoms develop are all that are needed to prevent almost all trekking deaths and the more numerous bad experiences which result from serious AMS. Trekking and climbing in the world's high places should be the fulfilment of a dream. Tragic nightmares will always occur as long as we cannot control the weather or the behaviour of snow-fields. We can control our own behaviour however, and thus should avoid the unnecessary tragedy of death from AMS.■

David Hunter and John Smart describe themselves as travelling doctors who have visited many of the world's high and remote places. John was a member of the Changri expedition described in Wild no 28.



The High Points

Wild Activities Survey

A peak-baggers guide to Australia's most 'collectable' summits, by John and Monica Chapman

● BY WORLD STANDARDS, AUSTRALIA'S PEAKS are neither high nor distinguished. The continent consists of mainly undulating plains and deserts. A few isolated older ranges, such as the Macdonnells, break the monotony of the central deserts.

Most of the higher and more interesting mountainous areas lie along the densely populated eastern edge of Australia. Here the Great Dividing Range (a series of ranges which contain the country's highest peaks) sweeps from Victoria to northern Queensland. Many of these mountains are rounded hills on large plateaux which provide excellent bushwalking country.

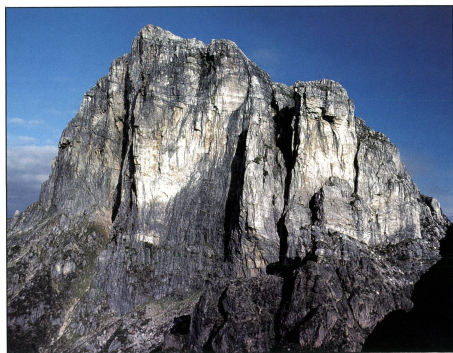
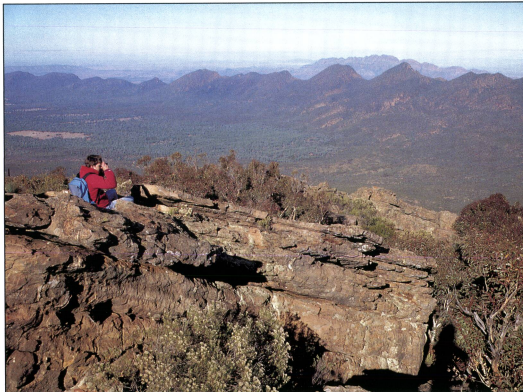
While the higher peaks are covered in snow during winter, none are permanently covered in snow or ice (except Big Ben on Heard Island). The gentle landscape and warm climate allow bushwalkers to climb the major peaks with little difficulty. Only a couple in Tasmania and Queensland require a rope and a head for heights to ascend the summit towers. This is in marked contrast to many other countries where the highest mountains are accessible only to experienced climbers.

The Natmap series of maps includes all the coastal areas of Australia at a scale of 1:100,000 (except Tasmania, which is covered, at the same scale, by the Tasmap series of maps) and the centre at 1:250,000. Over 2,000 maps cover the entire country and they are gradually being added to and revised. With so many maps to survey and produce it is inevitable that a few errors occur. Surveyed heights of the same peak may vary from map to map; we noted discrepancies of up to 200 metres. Many of the peaks do not have official heights and we have either taken the information from other maps or estimated.

Another major discrepancy occurs with spelling and the naming of peaks. Confusion over the location of a feature can result in the wrong name being given to it. However, other maps such as State publications or sketch maps by bushwalking clubs will show the 'original' location of the peak. For instance, on the Howitt map (Victoria) the accepted 'Mt Magdala' is shown as Mt Marjorie while the Magdala title is placed beside the peak known as Number One Divide. Care must be taken when using maps from different sources.

All the map references given are to the Natmap 1:100,000 series maps, where they exist. If there is no map of that series, then the next most appropriate map series was chosen. In Central Australia the Natmap 1:250,000 series is the only one available. For Tasmania,

Left, on St Mary Peak, Flinders Ranges, South Australia. **Above right**, the view from St Mary Peak into Wilpena Pound, Bachman. **Right**, Frenchmans Cap, Tasmania, with the East Face in the middle. David Neilson





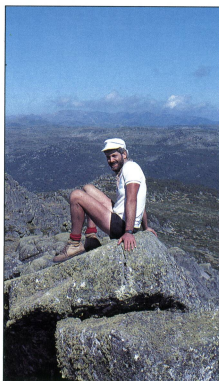
Victoria would dominate. This would have excluded some lower, but very significant, peaks such as Federation Peak in Tasmania, the Castle in New South Wales and Bluff Knoll in Western Australia. Clearly this would not be representative, so we have compiled a selected list of 300 peaks which includes the more significant mountains in each area. All Australian islands and territories were considered; however Antarctica, which is really an international area, was excluded. Unfortunately, not every major mountain can be incorporated (there would be thousands), so someone's favourite peak may be missing.

If you indulge in the art of peak bagging (most bushwalkers do even if they don't admit to it), then this tick list is for you. The *average peak bagger* should have climbed at least half of the peaks in his or her home State and should aim at climbing at least one in every State. The *serious peak bagger* should have climbed three-quarters of his or her home State's summits and could aim at bagging about half of this list. The *extraordinary peak bagger* should aim at climbing half the peaks listed for each State. (The whole list is for you, Peter Treseder...in a single month! Editor)

To be able to claim a peak you must climb to the highest point. It is not sufficient to merely reach the summit plateau. A good example of this is the Acropolis, in Tasmania. Many bushwalkers climb to the cairn, but the highest point is the isolated tower to the east, and very few have clambered to the tiny stance on top of it.

How do you rate as a peak bagger? **W**

John and Monica Chapman (see Contributors in Wild nos 1 and 25) are among Australia's most travelled bushwalking writers. John is particularly well known for his books of Tasmanian track notes.



Top, on Mt Townsend, Australia's second-highest peak, Snowy Mountains, NSW. Allan Cox. **Above**, Wild Editor, Chris Baxter on Mt Gungahlin, Snowy Mountains. **Right**, Bluff Mountain, Warrumbungles, NSW. John Chapman

the standard maps are those of the Tasmap 1:100,000 series. Natmap 1:100,000 maps are very good for planning, and adequate for use while bushwalking. For greater detail, there are many other maps to more popular regions. Most State governments produce their own series of

detailed maps at a 1:25,000 or 1:50,000 scale and there are also a few private publishers, including clubs, that produce specialized maps of popular walking areas.

Choosing the peaks for the accompanying list was a difficult task. If height alone were the deciding factor, then New South Wales and

Australian Peaks



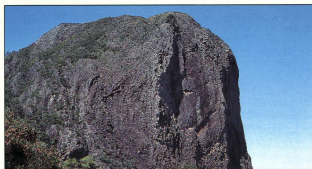
Wild Activities Survey The High Points

Mountain	Height (metres)	Natmap 1:100,000 (or other series) map	Location	Wild ref	Mountain	Height (metres)	Natmap 1:100,000 (or other series) map	Location	Wild ref
----------	-----------------	----------------------------------------	----------	----------	----------	-----------------	----------------------------------------	----------	----------

New South Wales

The Pilot	1,830	Jacobs River	Indi R	26
Mt Kosciuszko	2,228	Kosciuszko	Mt Kosciuszko	5 Folio, 8, 11, 13,
				25
Mt Townsend	2,209	"	"	11, 21
Mt Twynam	2,196	"	"	11, 25
The Rams Head	2,190	"	"	5
Watsons Crags	2,022	"	"	11
The Perisher	2,054	"	"	
Carruthers Pk	2,145	"	"	
Mt Anderson	1,997	"	"	
Mt Tale	2,068	"	"	25
Mt Grey Mare	1,870	"	"	25
Mt Gungahart	2,068	"	"	25
Dicky Cooper Bogong	2,004	"	"	11
Mt Jagungal	2,061	"	Mt Jagungal	1, 6, 10, 23, 25
The Big Brassy	1,973	"	"	
The Big Dargal	1,715	"	"	
The Dargals	1,727	"	"	
Round Mtn	1,756	"	"	25
Tabletop Mtn	1,784	Tantangara	Cabramurra	23, 25
Tantangara Mtn	1,745	"	"	
Half Moon Pk	1,821	"	Brindabellas	2, 18 Tk Notes
Mt Morgan	1,874	"	"	2, 18 Tk Notes
Mt Murray	1,845	"	"	2, 18 Tk Notes
Mt Bimber	1,912	"	"	2, 18 Tk Notes
Mt Gingera	1,857	"	"	2
Bogong Pks	1,718	Yarrangobilly		
Cumockabilly Mtn	1,131	Ulladulla	Budawangs	
Mt Ramwick (Owen)	876	"	"	6 Tk Notes, 25
The Castle	847	"	"	6 Tk Notes, 25
Pigeon House Mtn	719	"	"	7, 11
Mt Bindo	1,363	Katoomba	Blue Mtns	
Mt Solitary	965	"	"	5 Tk Notes
Mt Cloudmaker	1,164	"	"	3
Mt Paralyser	1,157	"	"	
Mt Guougang	1,291	"	"	
Mt Colong	1,047	Burrigorang	"	
Yerranderie Pk	873	"	"	
Mt Davidson	1,081	Wallerawang	"	
Tayan Pk	1,156	Mt Poman	"	
Mt Monundilla	1,108	"	Colo R	
Mt Poman	1,102	"	"	

Mt Coricudgy	1,256	Mt Poman	Colo R
Mt Barrington	1,556	Camberwell	Barrington Tops
Cockrow Mtn	1,398	"	"
Brimlow Top	1,586	"	"
Careys Pk	1,545	"	"
Polblue Mtn	1,575	Elterston	"
Round Mtn	1,583	Ebor	New England
Majors Pt	1,538	"	"
Pt Look-out	1,562	"	"
Mt Hyland	1,434	Ebor	"
Ben Lumond	1,520	Guyra	"



Bluff Mtn	1,200	Tenandra	Warrumbungles	6
Crater Bluff	1,094	"	"	
Mt Exmouth	1,206	"	"	
Spire Mtn		"	"	
(Tonduron)	1,072	"	"	
Mt Kaputar	1,508	Horton	Mt Kaputar	
Mt Lindsay	1,436	"	"	
Mt Coryah	1,405	Grattal Mtn	"	
Mt Lindesay	1,373	"	"	
Mt Yullununda	1,225	"	"	
Black Mtn	1,259	Newton Boyd	Gibraltar Range	
Mt Warning	1,156	Murwillumbah	Murwillumbah	
Mt Liddbird	835	CMA Lord Howe Island	Lord Howe Is	
Mt Gower	942	"	"	

Queensland

Mt Howee	1,175	Murwillumbah	Lamington		Mt Kiangarow	1,135	Kingaroy	Bunya Mtns
Mt Bithongabel	1,195	"	"	7 Folio	Mt Acland	975	Consuelo	Canarvon
Mt Wanangara	1,192	"	"		Mt Consuelo	1,174	"	"
Mt Toolona	1,190	"	"		Mt Percy	1,151	Mount Howe	"
Mt Merino	1,160	"	"		Amys Pk	930	Biloela	Kroombit Tops
Mt Throakban	1,140	"	"		Mt William	1,259	Mirani	Eungella
Mt Lindesay	1,177	Mt Lindesay	Border Ranges	11	Mt David	1,249	"	"
Mt Barney	1,359	"	Mt Barney	11, 28	Mt Dalrymple	1,240	"	"
Mt Ballow	1,310	"	"		Mt Elliot	1,234	Townsville	Townsville
Mt Nothofagus	1,280	"	"	2	Mt Zero	1,036	Rolling Stone	"
Mt Clunie	1,158	"	Main Range		Mt Hallax	1,063	"	"
Bald Rock	1,277	Dryke	Girraween	8	Mt Bowen	1,119	Cardwell	Hinchinbrook Is
Mt Norman	1,267	Stanthorpe	"	8	Mt Diamantina	1,000	"	"
Mt Huntley	1,264	Warwick	Main Range	2	Mt Macalister	1,124	Kirrama	Cardwell
Mt Lizardback	1,250	"	"		Mt Fisher	1,379	Tully	Cairns
Wilsons Pk	1,233	"	"		Mt Bartle Frere	1,622	Bartle Frere	"
Mt Steamer	1,215	"	"		Mt Bellenden Ker	1,561	"	"
Mt Asplenium	1,294	"	"		Walsh Pyramid	1,277	"	"
Mt Superbus	1,375	"	"		Lambs Head	1,243	"	"
Mt Roberts	1,381	"	"		Mt Spurgeon	1,322	"	"
Bare Rock	1,168	"	"		Devils Thumb	1,330	Mossman	Daintree
Mt Mistake	1,013	Helidon	"		Thornton Pk	1,375	"	"

Northern Territory

Tabletop	460	Jim Jim	Kakadu		Mt Lloyd	1,068	Alice Springs	Macdonnell Ranges	4 Tk Notes
Mt Brockman	289	Cahill	"		Mt Brassy	1,216	Alice Springs	Harts Range	
Mt Howship	385	Howship	"				1:250,000	"	
Mt Edward	1,423	Mt Liebig 1:250,000	Haasts Bluff		Mt Laughlin	1,172	"	Macdonnell Ranges	
Mt Liebig	1,524	"	"		Ayers Rock	868	Ayers Rock 1:250,000	Ayers Rock	19 Folio
Mt Zeil	1,510	Hermannsburg	Macdonnell Ranges		Mt Olga	1,069	"	"	19 Folio
		1:250,000	"		Mt Connor	863	"	"	
Mt Sodor	1,360	"	"	2 Folio	Mt Mann	1,174	Petermann Ranges	Petermann Ranges	
Mt Giles	1,295	"	"	25			1:250,000	"	
Brinkley Bluff	1,208	"	"						

Wild Activities Survey The High Points

Mountain	Height (metres)	Natmap 1:100,000 (or other series) map	Location	Wild ref	Mountain	Height (metres)	Natmap 1:100,000 (or other series) map	Location	Wild ref
Western Australia									
Mt Taylor	1,001	Rawlinson 1:250,000	Gibson Desert		Ellen Pk	1,012	Borden	Stirling Range	6, 25
Mt Hinchley	1,018	Cooper 1:250,000	"		Pyngorup Pk	1,060	"	"	6, 25
Mt Aloysius	1,085	"	"		Coyanarup Pk	1,045	"	"	"
Mt Wells	983	Bedford	Kimberleys		Tootbranup Pk	1,052	Borden	"	"
Mt Hann	777	Hann	"		Mt Magog	856	Tambellup	"	"
Mt Ord	937	Mount House	"		Marmabup Pk	658	Mount Barker	Porongurup	"
Mt Brockman	1,129	Rockliss	Hammersleys		Nancy Pk	652	"	"	"
Mt Bruce	1,235	Mount Bruce	"		Mt Frankland	411	Deep River	Walpole	"
Mt Augustus	1,106	Mount Phillips	"		Mt Manypeaks	562	Manypeaks	East of Albany	"
		1:250,000	"		Mt Ragged	585	Buraminys	Cape Arid	"
Bluff Knoll	1,073	Borden	Stirling Range	6, 25					

South Australia

Mt Woodroffe	1,440	Woodroffe 1:250,000	Petermann Ranges		Cleft Pk	840	SA Illawortina 1:50,000	Gammon Ranges	
Mt Whinham	1,231	Mann 1:250,000	"		Mt Hack	1,083	SA Narrina 1:50,000	Flinders Ranges	
Mt Edwin	1,193	"	"		St Mary Pk	1,170	SA Wilpena 1:50,000	Flinders Ranges	4, 11
Mt Benbowyathe	1,058	SA Nepabunna 1:50,000	Gammon Ranges		Pompey Pillar	1,168	"	"	4
Mt McKinlay	1,051	"	"		Mt Aleck	1,128	SA Moriana 1:50,000	"	4
Mt John Roberts	860	SA Illawortina 1:50,000	"		Mt Remarkable	995	SA Melrose 1:50,000	Mt Remarkable	
					The Bluff	735	SA Pine 1:50,000	Telowie Gorge	

Victoria



The roof of Victoria: on Mt Bogong's massive summit cairn, John Chapman. **Opposite page, left**, as high as you can go on Frenchmans Cap, Tasmania. Stephen Bunton. **Opposite page, right**, a peak experience? (On Mt Pelion West, Tasmania.) Stephen Hamilton

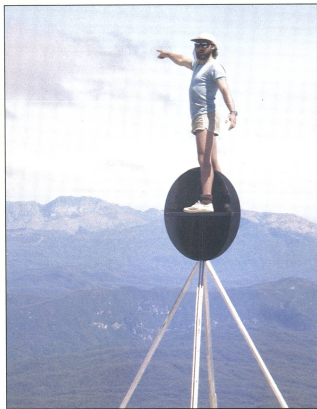
Mt William	1,167	Ararat	Gramians	10 Tk Notes	Mt Erica	1,505	Mallock	Baw Baw	17 Tk Notes
Mt Difficult	810	Gramians	"	10 Tk Notes	Mt St Phillip	1,560	"	"	17 Tk Notes
Mt Thackeray	960	"	"	"	Mt Baw Baw	1,563	"	"	17 Tk Notes
Mt Rosea	970	Ararat	"	"	Mt Skene	1,570	Mansfield	Jamieson R	"
Mt Abrupt	826	Hamilton	"	20	Mt Macdonald	1,620	"	"	"
Mt Wilson	705	Wilsons Promontory	Wilsons Prom	"	Mt Clear	1,715	Howitt	"	"
Mt La Trobe	755	"	"	"	The Bluff	1,726	Mansfield	Howqua R	25, 28
Mt Torbreck	1,514	Alexandra	Elidon	"	Mt Butler	1,805	"	"	9 Folio, 25
					Mt Stirling	1,745	"	"	22, 25 Folio
					Mt Marjorie (Magdala)	1,720	Howitt	"	7 Tk Notes
					Mt Howitt	1,742	"	"	7 Tk Notes, 23 Folio, 25
					Mt Ligar (Crinoline)	1,160	"	Macalister R	22 Tk Notes
					Mt Wellington	1,635	Maffra	Avon R	"
					Mt Reynard	1,701	Howitt	Snowy Plains	9, 22 Tk Notes
					Mt Kent	1,563	"	Wonnagatta R	"
					Mt Darling	1,510	"	"	"
					Mt Speculation	1,700	"	"	7 Tk Notes, 25
					Mt Cobbler	1,628	"	Rose R	"
					The Razor	1,460	"	Buffalo R	25
					The Viking	1,500	"	"	23 Folio, 25
					The Horn	1,724	Buffalo	Mt Buffalo	20 Folio
					Mt Murray	1,640	Howitt	Barry Mtns	"
					The Twins	1,703	Dargo	"	"
					Mt Higginbotham	1,814	Bogong	Bogong	"
					Mt Hotham	1,868	"	"	9, 9 Folio
					Mt Feathertop	1,922	"	"	1, 17, 20
					Mt Loch	1,887	"	"	20
					Mt Jim	1,818	"	"	"
					Mt Niggerhead	1,852	"	"	22, 25
					Mt Fainter	1,883	"	"	22, 25
					Mt McKay	1,849	"	"	"
					Mt Cape	1,837	"	"	25
					Mt Neise	1,885	"	"	2, 9, 14, 25
					Mt Spion Kopje	1,837	"	"	"
					Mt Bogong	1,986	"	"	2, 9, 20 Folio, 21, 25
					Mt Wills	1,750	"	"	"
					Mt Burrows	1,278	Corryong	Corryong	"
					Mt Gibbo	1,757	Benambr	"	"
					Mt Pinnabar	1,771	Jacobs River	"	"
					Mt Cobberas	1,850	"	Indi R	13
					Mt Nunmion	1,615	Murrindal	Tambo R	"
					Mt Tingaring	1,448	Bendoc	Snowy R	"
					Mt Ellery	1,291	"	Errimundra	16

Tasmania

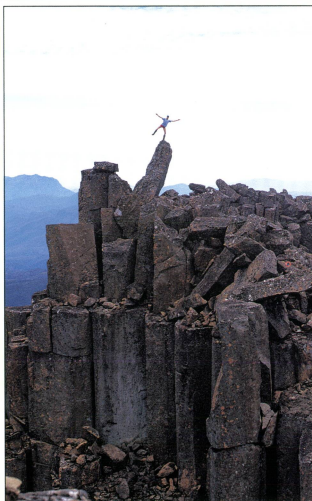
Mt Barrow	1,413	Tasmap St Patricks	Mt Barrow		Mt Wellington	1,270	Tasmap Derwent	Hobart	1 Folio
Legges Tor	1,572	Tasmap St Pauls	Ben Lomond		Collins Bonnet	1,260	"	"	"
Stacks Bluff	1,527	"	"		Mt Snowy South	1,380	Tasmap Tyenna	Snowy Range	"
Ben Nevis	1,367	Tasmap Forester	"		Mt Hartz	1,255	Tasmap Huon	Hartz Mtns	"
Mt Freycinet	620	Tasmap Freycinet	Freycinet Penin	28	Adamsons Pk	1,226	"	"	"
Mt Maria	764	Tasmap Maria	Maria Is		Mt La Perouse	1,157	Tasmap South East Cape	Southern Ranges	26
Mt Strzelecki	756	Tasmap Flinders Is	Flinders Is		Piedras Pk	1,250	"	"	20, 26
Mt Mutoo	716	Tasmap Lady Barron	Cape Barron Is		Precipitous Bluff	1,120	Tasmap Huon	"	26

Wild Activities Survey The High Points

Mountain	Height (metres)	Natmap 1:100,000 (or other series) map	Location	Wild ref
Mt Bobo	1,109	"	Bobo Range	26
Mt Pictou	1,327	"	Pictou Range	
Mt Hopetoun	1,040	"	South-west	
Federation Pk	1,224	Tasmap Old River	"	6, 26
Mt Noroid	978	"	"	
Mt Hesperus	1,097	"	"	6 Folio, 7, 25
Mt Hayes	1,120	"	"	7, 25
Mt Orion	1,120	"	"	7, 25
Mt Procyon	1,120	"	"	7, 25
Mt Scorpio	1,080	"	"	7, 25
West Portal	1,173	"	"	7, 25
Mt Anne	1,425	Tasmap Wedge	"	6 Folio
Mt Eliza	1,289	"	"	
Mt Lot	1,120	"	"	6 Folio
Frankland Pk	1,040	"	"	26
Double Pk	1,060	"	"	26
Coronation Pk	1,040	"	"	26
Mt Sprent	1,058	Tasmap Olga	"	26
Mt Field West	1,434	Tasmap Tyenna	Mt Field	19
Mt Field East	1,270	"	"	
Reeds Peak	1,277	Tasmap Wedge	Denison Range	19, 22, 26
Mt Curly	1,039	"	Spires Range	8, 19, 26
Conical Mtn	1,120	"	"	26



Mt Humboldt	1,079	Tasmap Olga	Prince Wales Ra	17
Diamond Pk	1,000	Tasmap Nive	"	17
Algonkian Mtn	1,073	"	"	17
Wylds Craig	1,337	"	Florentine R	
King William I	1,324	"	King William Ra	22, 26
King William II	1,359	"	"	22, 26
Frenchmans Cap	1,443	Tasmap Franklin	Frenchmans Cap	5, 11, 25, 26
Clytemnestra	1,280	"	"	
Mt Sorrell	1,144	"	Macquarie Harbour	
Mt Jukes	1,168	"	"	
Mt Sedgwick	1,147	"	Tyndall Range	
Eldon Pk	1,439	Tasmap Sophia	Eldon Range	26
Eldon Bluff	1,240	"	"	26



Mt Rufus	1,416	Tasmap Nive	Lake St Clair	3, 24, 26
Mt Olympus	1,447	"	"	1
Mt Manfred	1,402	"	"	
Mt Gould	1,491	Tasmap Mersey	"	1, 23, 26
Mt Geryon	1,509	"	"	26
The Acropolis	1,471	"	"	7, 24, 25
Mt Massif	1,494	"	"	26
Mt Ossa	1,617	"	Pelion Plains	1, 25
Mt Pelion West	1,560	Tasmap Sophia	"	1
Barn Bluff	1,559	"	"	
Cradle Mtn	1,545	"	Cradle Mtn	1
Mt Murchison	1,275	"	"	1, 7, 24 Folio, 25
St Valentines Pk	1,109	Tasmap Hellyer	Rosebury	
Black Bluff	1,339	"	Burnie	
Mt Roland	1,231	Tasmap Forth	Devonport	
Mt Rogoona	1,320	Tasmap Mersey	Central Plateau	
West Wall	1,494	"	Walls Jerusalem	19
Mt Jerusalem	1,458	"	"	19, 24 Folio
Climmer Bluff	1,449	"	Central Plateau	
Ironstone Mtn	1,443	"	"	
Western Bluff	1,420	"	"	
Fisher Bluff	1,408	"	"	
Forty Lakes Pk	1,353	Tasmap Mersey	"	
Wild Dog Tier	1,395	Tasmap Meander	"	
Quamby Bluff	1,226	"	"	
Bradys Look-out	1,373	"	"	
Millers Bluff	1,210	Tasmap South Esk	"	
Big Ben	2,758	"	Heard Is	9

Wild references have been given where a photograph, article or information about the relevant peak has appeared in *WILD*. (Articles are listed only where they give specific information about the peak or if a route described crosses the peak.) Where the peak is referred to in *Wild Track Notes* or a *Wild Folio* this is indicated after the relevant issue number.

Note The inclusion of a peak in this list does not necessarily indicate that walkers are allowed to visit it. This particularly applies to peaks on Aboriginal reserves in central Australia.

Wild Ski Touring





LONG, STEEP AND DEEP

*Mick Hampton and Glenn Tempest
tell of 'new' cross country
downhill slopes in the heart
of the Victorian Alps*



● IN LATE AUGUST 1986 WE WERE PART of a group of skiers who gathered at the Vallejo Gantner Hut near Mt Howitt, deep in the heart of the Victorian Alps. We spent eight energetic days skiing some of the best runs in Australia. And then a cold south-westerly dumped 20 centimetres of powder snow over the entire area. Three skiers returned to Licola whilst Mick Hampton and his party left for the Jamieson River, by way of Mt Magdala. Glenn Tempest continued on a 23-day solo trip to Mt Kosciusko.

We made plans to return the following year and ski some of the steep slopes and gullies that we had missed. In particular, the spectacular Crosscut Saw was a special attraction. This narrow, cliff-lined ridge curves its way dramatically between Mt Howitt and Mt Speculation, forming the backbone of Australia's most breathtaking alpine scenery. One of our main objectives was to ski the radical-looking gully which drops from the Crosscut Saw's twin summits and plunges into the depths of the aptly-named Terrible Hollow, which forms the headwaters of the Wonnangatta River.

Exactly 12 months later, Glenn Mick drove up to the Bluff Hut and parked Mick's old Holden amongst the four-wheel-drives. Walking up the hill, we thought how nice it was to be heading back to Mt Howitt knowing that there were 80 person-days of food stashed in the forest. Even so, our packs seemed awfully heavy, and no wonder. In addition to ice axes, sleeping bags, tents, cameras, shovels and so on, we had also decided to carry two sets of skis each—heavy-duty, metal-edged 'turners' for the trip in and 'shredding' the slopes, and skinny skating skis for the kilometres of snow gum forests and plains lying just beyond the Vallejo Gantner Hut.

It was a gentle two-hour ski to Lovicks Hut, where we were greeted by a large rat. It scurried off, presumably to tell its mates of our arrival.

As soon as there was enough light, we were out of bed. Some wet snow had fallen during the night and whilst we were preparing breakfast the temperature dropped considerably. It soon started snowing heavily. We skied off into a white wonderland and quickly found ourselves amongst the gnarly old snow gums on the King Billy Range. Leaving this unique area, we continued through ever-deepening snow to the dangerous, icy flanks of Mt Magdala. This prominent slope is often underestimated by skiers and has seen a number of long, painful slides down its 35° 'ice skating rink' all the way into the tree line.

The wind picked up as we skied to the crest. Mick was nearly knocked to the ground by a blast as he struggled to take a photograph. We stopped for the night in the saddle not far beyond Hells Window, even though it was still early in the day. We decided that it was more important to ski some of the nearby runs than to push on. So, after putting up the tent, it was off with the skins and on with the blue stick.



Authors Michael Hampton, left, and Glenn Tempest on the flanks of the Crosscut Saw. Geoff Butcher. **Left:** Hampton takes the plunge on the northern face of Mt Howitt. The Crosscut Saw is behind. **Previous pages:** Hampton again, this time heading for the Wonnangatta valley. All uncredited photos Tempest

Half a dozen runs later, we were both getting the feel for it again. Powder blew back over our heads as we carved through snow up to our waists. If it hadn't been for the antipodean scenery, we might have been in Utah.

There were strong winds and more snowfalls during the night. In the morning it was so cold that our fingers stuck to the Sigg fuel bottle. By the time we had fumbled the rime-dusted tent into its stuff sack and packed up, our fingers were frozen. We traversed the first, steep, timbered hillside on windblown snow and old hard-pack. After crossing Big Hill the skiing became a lot easier, and late morning saw us ascending the final open slopes of Mt Howitt in clearing weather. Trudging the last few steps to the hut we were greeted by two other skiers, Bryan and Murray. Not surprisingly, the promise of free alcohol guaranteed their help in finding and recovering our food dump.

After a short rest we all set off, breaking trail through the deep, trackless powder snow which carpeted the ancient snow gum forest.

Bryan thought we were pulling his leg. Our tales of barrel loads of amber treasure were wearing a bit thin when, after half an hour of hard snow shovelling, we hadn't found even a single ring-top. It was getting late when we finally reached our objective. A slab of Victoria Bitter was quickly and carefully brought to the surface, followed by a cask of port. At this stage we decided, unanimously, to test the latter, just in case the quality had suffered during its long burial. Another slab was followed by the recovery of yet another cask of port!

'Didn't you guys bring any food?', was all Bryan could gangle, wine bladder held high above his mouth.

By the time the rest of the food dump was packed into our rucksacks, it was almost dark. Half an hour later, and an hour from the hut, it was pitch black. We stumbled and sang our way through the snow gums, only stopping to untangle our ski tips and to hiccup. We couldn't help thinking how it would read in the



Tempest on the first descent of the Crosscut Gully, one of the best gullies for skiing in Victoria. Butcher, **Right**, the original version of the story—in the Vallejo Gantner Hut log-book. **Opposite page, left**, the scene of the crime, the Vallejo Gantner Hut at Macalister Springs. **Opposite page, right**, ski tracks on the Wonnangatta fall of the Crosscut Saw.

newspapers: 'Three skiers perish in the wilds of the Wonnangatta; alcohol blamed'. We imagined the long-term ramifications: 'No skiing above .05'. With surprising forethought, Murray had left a mini 'strobe' light hanging in a tree. Its bright flashes helped to guide our hapless team back to the warmth and relative luxury of the hut.

We spent most of the day skiing on the wooded hill behind the hut. The snow was easily the best powder we had skied in Australia. We enjoyed memorable hours swooping through the snow gums, turning effortlessly in the dry white fluff. Later, we visited the snow plains nearby, swapping 'heavy metal' for 'light and easy' to finish

the day diagonal striding and skating. We looked forward to true spring conditions so we could skate over the Howitt Plains in the moonlight. However, it wasn't to be, as another 20 centimetres of powder fell that night.

Next morning the clouds were breaking up. In the distance, fresh snow covered the jagged summits of the Razor and the Viking. The snow had even dusted the trees in the Wonnangatta valley and the Barry Mountains were white, creating a causeway of snow all the way across to the familiar bulk of Mt St Bernard and Mt Hotham.

By the time we had skied up on to the summit separating Mt Howitt from the Crosscut Saw, we knew there were more snowfalls to come. Below, enormous tentacles of white cloud swirled amongst the steep, forested slopes of the Howqua valley. A cold south-westerly wind whipped

up and across the tops, leaving plumes of snow trailing into the Wonnangatta. To the west, Mt Buller stood out sharply against an inky backdrop.

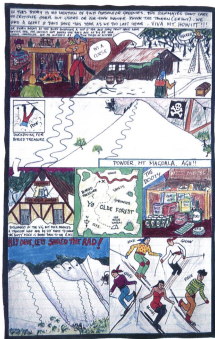
We skied down the ridge that formed the initial difficulties of the Crosscut Saw and in to a prominent saddle. After climbing to the top of what we called the 'Number One Bowl', we couldn't resist any longer and started carving neat 'S' turns down the steep, concave slope.

We were amazed at the quality of the snow. We had never before experienced such a perfect, long ski run in Australia. Towards the bottom, the bowl narrowed into a shallow trough, not unlike the spout of a milk jug. Here the skiing took on a new feel as we contorted our way between the powder-laden snow gums. Then suddenly it was over. A wall of scrub put a halt to a remarkable ski run and marked the start of the dreaded walk out.

That day we skied the first two bowls on the Wonnangatta side of the Crosscut Saw. Both were full of deep, wind-transported snow. The western (Howqua valley) side was windblown and icy. This, and the considerable exposure on the ridge-top, prevented us from reaching the head of our much-discussed gully. We needed ice axes, but we'd left them at the hut. Still, we were well pleased with the day's skiing.

Two days later we were relieved to be able to venture outside again after a day of awful weather had kept us confined to the hut. We skied out on to the corniced ridge near to the summit of Mt Howitt just as a light plane circled overhead. It was a perfect sunny morning and we were delighted to be finally free of Gore-Tex jackets and overpants.

Two days on we skied out to the 'Saw', making a few long runs in both Number One and Number Two Bowls *en route*. We also did some interesting, short, steep runs on the Howqua side. It was possible





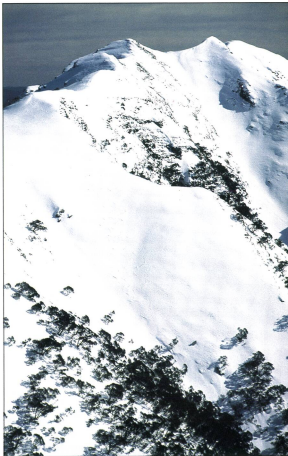
to carefully traverse and sidestep over the section which had been too icy a few days earlier. Below us, on either side, steep slopes ended in spectacular vertical drops into the tree line. We climbed carefully up on to the first of the two highest points of the Saw. From there we could see down into what we called the 'Crosscut Gully'. It was not as ferocious as it had appeared from front on, but it was steep all the same!

Glenn took off, Telemarking straight down the middle, where the snow seemed deeper. Looking for a good line of descent, Mick climbed on up the slope towards the second summit before dropping over a small cornice. The snow there was deep and unconsolidated, so he adopted crude jump turns in an effort to keep 'head-plants' to a minimum. After a while the gully's angle eased and we continued in

a more classic manner directly down the fall-line. It was difficult to link two turns in a row but we slowly descended, laughing and shouting. Our voices echoed off the rocky bluffs which enclosed us as we descended.

We plugged steps slowly up the gully, joking about how if this were New Zealand, we'd be roped up. It wasn't difficult to imagine how serious the gully would be when a freeze turned the wet snow to ice.

Stopping for a rest, Glenn was suddenly taken back seven years to another, similar, gully. This one, however, was high in the French Alps. His small party was carefully making its way up a steep, unbroken stretch of ice and snow. It was the real thing—ice axes, hammers, helmets, crampons and ropes. Glenn remembered most of the route being pretty



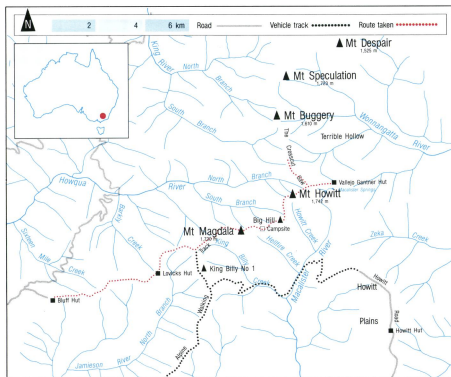
straightforward except for a few scary metres immediately below, where they had each teetered alarmingly on metal points over a steep icy bulge. They were just getting their wits back when, suddenly, a figure loomed above, plummeting down in what must surely have been an agonizing fall that would take him (and to their horror, Glenn's party) to his death 1,000 metres below. In a blind, unco-ordinated panic they scrambled to their right, but not before a shower of icy crystals poured over them in a wave. Regaining their composure, they looked down the slope, expecting to see a figure bouncing down to certain doom. It took a little while to sink in. There was a figure all right, and you could say he was bounding...he was skiing. It was Glenn's first experience of 'extreme' skiing and he promised himself, then and there, that it would be his last.

We took almost an hour to climb back up the gully and were at the hut an hour before darkness crept across the snow gums.

On the day we had to leave, drizzle and mist hung over the mountains like a London fog. It was blowing in from the south-west and there were snowflakes in the air. It was a seven-hour, non-stop ski back to Bluff Hut. By the time we reached the car, it was bitterly cold and it didn't stop snowing until we were almost down to Sheeppark Flat. Up on the tops, the high country was taking another lashing. ■

Mick Hampton (see Contributors in Wild no 17) lives in Melbourne and, with Wild Special Adviser Glenn Templest (see Contributors in Wild no 4), has pioneered many XCD runs in the Australian Alps and skied extensively overseas.

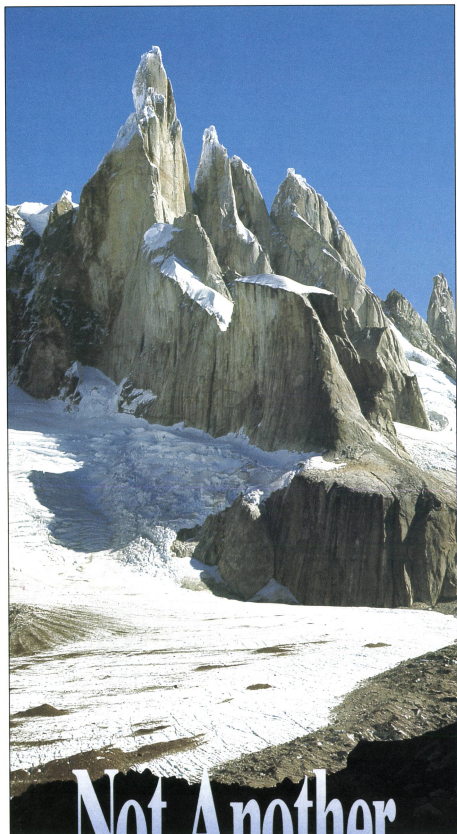
Mt Howitt Area



A full-page photograph of a snow-covered mountain peak. In the foreground, a climber is visible on a rocky outcrop, looking up at the massive, snow-laden mountain face. The sky is a pale blue, and the overall scene conveys a sense of scale and adventure.

Wild Climbing

*Nick Craddock
describes his climb
of Patagonia's
Cerro Torre—the first
Australasian ascent
of one of the world's
most spectacular
mountains*



Not Another 8,000 Metre Peak

● CHRISTMAS DAY 1979; AFTER AN EPIC, three-week overland trip from Lima, Nick Kagan and I arrived at the FitzRoy road-end. True to all stories we had heard about Patagonia, the wind was howling and it was raining, heavily.

We found shelter in a storage shed, sharing it with the Californian crew of Bridwell, Bachar and Gram. My first overture of friendship was to bludge sunglasses, ice axe and harness from Bridwell. Somebody had borrowed mine and in exchange left me a large pair of dirty women's underwear. Being into sniffing other things at that stage of my life, I wasn't impressed.

A couple of days later the rain and wind eased off, and we proceeded to torture our bodies by carrying our food and equipment to Base Camp. Although the walk took only two and a half hours, and mostly in beech forest, it wasn't much fun. Bachar provided the only light entertainment by constantly worrying about his thighs becoming too large and diminishing his strength-to-weight ratio.

After two weeks we finally got to see peaks a few kilometres away. By that time we had successfully slipped into the Patagonia 'hang mode'; eating and sleeping. Coming from New Zealand, it didn't take any great adjustment.

Helped by surreptitious taps, our ten-dollar altimeter registered a definite improvement in the weather. Being total neophytes in the art of Patagonian climbing, Kagan and I made the worst possible mistake—we decided to do a 'training climb'. Four days later we sat sulking in a bivouac half-way up the Torre Glacier. To cut an embarrassing epic story short, we managed to fail on the Innominata and also in an attempt on the Super Couloir on FitzRoy.

Meanwhile at Base Camp, deciding that his thighs were indeed getting too heavy, Bachar had beaten a hasty retreat back to adoring groupies in Yosemite, closely followed by Gram. Bridwell, in a chemically inspired moment, had met itinerant Californian climber Steve Brewer, and together they set off for the South-east Ridge of Cerro Torre.

In varying states of frustration and despondency, Kagan and I watched them aid the final pitches of Cerro Torre's headwall.

A month and a half of bad to terrible weather drifted by. Bridwell had left, Brewer hung around with thoughts of soloing FitzRoy, and Kagan and I switched our focus from the Super Couloir to the American Route on FitzRoy. We spent most of the time wasting away in a snow cave below the route, occasionally attempting to climb, only to be beaten back by the wind.

Rick White, Greg Child *et al* arrived, basing themselves in the Torre valley. We

Near left, the world's most spectacular mountain? Cerro Torre rockets towards the Patagonian sky. The South-east Ridge is facing the camera. David Neilson. **Far left**, looking down on the ice towers from the first belay on the headwall of the South-east Ridge. Nick Craddock

gave up our snow cave and retreated to the bush, wandering around in aimless frustration.

Finally, I was woken one morning by my tent suffocating me. In a drunken stupor, I'd broken the tent poles whilst trying to find my sleeping bag. That night it snowed heavily right down to the bush line. Outside, the weather was rapidly clearing from the south. In the ensuing fine spell we managed to bumble our way to the summit—a perfect windless evening, the icecap and the Torres absorbing the sinking sun.

Our dream realized and our egos sated, we left. Meeting Rick White at the road-end, we could only laugh at his misfortune in climbing the only detached pillar on the West Face of FitzRoy: the Fickle Finger of Fate. Even having made a successful climb, it was hard to turn my back on the spires. I was hooked.

1987: seven years had mellowed my memories of Patagonian weather. Cerro Torre hadn't toppled down, and Russell Braddock shared the dream of climbing it.

Two days before we left for Argentina, Russ and I met in Christchurch. A day running around purchasing equipment, followed by a couple of hours cramming it all into a few haul sacks, and we were ready. At Auckland Airport we met Viv Pincott, our chaperon for the next two weeks.

On 1 September we flew out of Auckland bound for Buenos Aires. After an overnight stop there, we flew south to Rio Gallegos, arriving early in the morning. That afternoon we tried to catch up on some sleep. Unfortunately, even a bottle of Jack Daniels had little effect on continuous cups of Argentine coffee. Russ and I were woken early the next morning by our chaperon's virtuous dismissal of a local guide, at the door of our room. In the true spirit of adventure travel, Viv had stacked the odds; for two months in South America she had packed only five

'morning-after' pills. However, it was a worthwhile night, as she had managed to organize transport to the road-end for the following day.

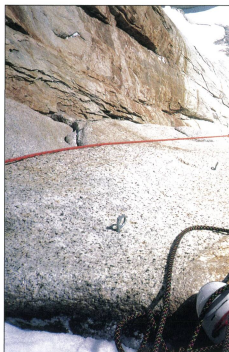
After a day spent buying food and fuel for a possible three-month siege of Cerro Torre, we were ensconced in a pick-up cruising the wastelands of the Patagonian pampas. We arrived at the road-end just on dark, the peaks showing their final colours through westerly crud.

Things had been going well. Four days after leaving New Zealand we were within three hours' walk of Base Camp, and close enough for an alpine-style attempt on Cerro Torre. There had been no days wasted in futile arguments with small-time bureaucrats, no endless approach marches, no porter strikes, and it wasn't even raining!

The following morning we organized our food and equipment to be carried up the Torre valley on horseback. In the afternoon we walked up the valley, found a suitable campsite and talked to three Italians sitting out the bad weather between attempts on Torre Egger. Returning to the road-end, Russ commented that the clouds covering the Torres seemed to be thinning. This time, learning from experience, we had a reputable altimeter, and throughout the next day the pressure gradually increased.

By late the following afternoon the three of us were comfortably established in our Base Camp—a rudimentary log cabin on the edge of a sunny clearing, surrounded by ageing beech forest. All our equipment and food had arrived, apart from the kerosene, which was to appear early *manana*. Russ woke me the next morning with the news that the weather was fine. From the clearing we could see Cerro Torre piercing through dissolving southerly cloud. Without much discussion we packed enough food and equipment for three days and calmly waited for our kerosene to arrive. Now to us *manana* meant morning and 'early *manana*' some time between dawn and midday—a very reasonable and liberal translation, I thought. By early afternoon, with no sign of our fuel, we realized that, to the locals, *manana* meant any time within the hours of daylight. Unable to wait any longer, we changed the jet in our stove and made do with some unfiltered petrol, left by a previous expedition.

As a build-up to Cerro Torre, Russ and I had done some serious training, most of which revolved around skiing as much as possible and walking as little as possible. However, we had made the effort to bumble around Mt Arapiles for two weeks, six months previously, and thus ensure we had at least climbed together. Six hours later, after bashing up the glacier, we bivouacked on top of the moraine wall under Cerro Torre. The moon was full that night and although I was extremely tired, I couldn't decide whether to sleep or to watch the amazing display as the moon moved over the granite spires surrounding us.



On Maestri's infamous bolt traverse. **Right**, Russell Braddock below Cerro Torre's mighty, and grossly foreshortened, East Face. The South-east Ridge forms the face's right skyline; Torre Egger is the peak to the right. Craddock

At 3 am, with the altimeter reading fine, we crammed 500 metres to the start of the initial difficulties on Cerro Torre's South-east Ridge. From here we soloed on mixed terrain, groping through half-visible seracs for 300 metres followed by 200 metres of 45–50° ice with the odd rock step thrown in. Remnants of previous attempts—faded fixed rope and rusted pitons—made route finding easy on the upper section. An hour after dawn we were on a low-angle col. Here the real difficulties started and 800 grossly foreshortened metres above, Cerro Torre's summit sailed.

My first act on the col was to give it an appropriate name: Col of Desire. It seemed apt, fitting well with the Col of Hope and the Col of Conquest on Cerro Torre's other flanks. Cesare Maestri, who made the first ascent of the South-east Ridge, had stated: 'Hope is the weapon of the poor and desire the weapon of weaklings'! (There are no prizes for guessing who named the Col of Conquest.) Being weaklings, we had a brief rest and roped up.

The first four pitches were mostly free climbing on perfect, crack-infested granite. The view and exposure were changing from impressive to awesome and the sun was warming the rock. It should have been almost idyllic alpine climbing, but it wasn't. Our packs were too heavy and our organization inept. I scared myself stupid on the second pitch by trying to save time and Jumar on an old fixed rope. Half a pitch out from the belay, and with no protection, I discovered the extent of its decay. Still, it held and I reached the next belay alive and positive I'd not repeat the experience. Another 50 metres saw us into mixed terrain, mostly

Cerro Torre





rock but always coated with enough ice to make wearing crampons essential. It was interesting climbing in outrageous positions, with the South Face falling away on one side and the East Face on the other.

Russ struck an aid pitch and slowly remembered how to be efficient. The pitch involved a traverse away from the ridge crest over the South Face and then up a gently overhanging blade crack. I followed, whimpering and squealing as I swung out on my Jumars to clean. Good fun. After an easier section I belayed at the base of an awkward-looking chimney—just the right width to be horrible when you're wearing a pack and crampons. Russ led it, finding innovative rests by sliding down until his pack and chest locked between the opposing walls. Following on Jumars wasn't much fun either, especially grovelling into its depths to retrieve protection. Leaving my pack with Russ, I led a pitch of rock, which was mostly free, with the odd aid move.

After the inevitable hassles of pack hauling, Russ joined me. It was dark and we found ourselves perched on a 60° ice arete. What happened next, in retrospect, was almost comical. Both of us were physically and mentally wasted. There were no ledges on the surrounding rock and, after anchoring ourselves to long leashes, we procrastinated about where to bivouac. Half an hour of hard work produced a minute stance in the ice. We decided it must be easier somewhere else! After three attempts and much wasted energy we realized that the ice was the same bullet-proof hardness everywhere. We settled for a small platform from which we half hung. Getting into our sleeping bags and bivouac sacks took a lifetime and when we were finally settled, our stove refused to function. We spent a warm but precarious and dejected night pondering the lies propagated by

Mountain magazine photographs about such bivouacs.

By early morning it was snowing, visibility was zero, and the wind was trying to pluck us off our ledge. A long 15 hours later, we were back at Base Camp with Viv playing camp mother and both of us too tired to be useful. After 24 hours of recuperation we were feeling good, physically and mentally. Far from feeling beaten, we felt strong and confident of success. An attempt on the objective is the best way to train.

Late in the afternoon of the following day the altimeter started rising. With the majority of our gear stashed at our bivvy site under Cerro Torre, we made fast time up the glacier. On this occasion we had some carefully filtered kerosene with us. At the glacier bivouac we sorted gear and had a leisurely dinner. Just after dawn the next morning we were once more on the Col of Desire. With a cold wind blowing, I convinced Russ that our best option was to go down to the glacier again, bring up some more food and fuel and dig a snow cave. By the time we returned the wind had dropped. We dug a cave and I spent the night wondering whether I had screwed up again by wasting fine weather. Looking out of the cave just before dawn, I glimpsed massive lenticular clouds floating across the sky. Although the altimeter was holding, I argued for waiting longer. Russ acquiesced in my decision, but was obviously agitated by my lack of drive. By 10 am the clouds had gone and the wind was harmless. An hour later we were climbing. Firing the known difficulties, we bivvied three pitches above our previous high-point. In contrast to our earlier bivouac on the mountain, this one was almost enjoyable. Again we had to cook and sleep virtually hanging, but we were sheltered from the wind, feeling strong, and our stove was purring. I spent the dark hours gazing at the moonlight on FitzRoy opposite, smoking my pipe. I was impressed that anything dropped bounced only twice in 800 metres.

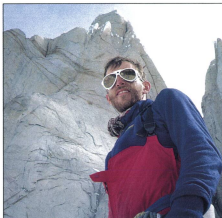
The clouds enveloped us just before dawn and it snowed, but a couple of hours later the sun touched us and the murk started to lift. We left everything extraneous. Apart from what we were wearing and a rack of climbing gear, we took a day pack containing windproofs, some water and a few bars of chocolate.

Immediately we were aiding—90 metres of bolts in a rising traverse across an otherwise blank wall. Unlike the British before us, having no moral dilemmas we clipped every bolt. Maestri had made a fine job of placing them with the aid of his compressor. Very comfortably spaced, thank you. The bolts ended, and the climbing that followed was technical mixed climbing at its best. One crampon on rock, one on ice. Jamming with one hand, the other throwing an ice tool. Bridging, laybacking, tiptoeing—no moves were the same. Steep ice bulges ended in aid moves, a totally stretched rope and hanging belays. Perfect protection, and

always with the incredible exposure below and the summit headwall towering above. Without a debilitating pack, it was pure joy.

By 5 pm the ice towers were below and we were at the base of the headwall. One hundred metres above hung Maestri's compressor, glued to the wall by a sheath of ice. Fifty metres above it, the summit ice mushrooms soared through space. The first pitch of the headwall was free climbing, followed by two aid pitches to the compressor. By the time I had Jumared to Russ's belay on the compressor, it was virtually dark.

Realizing that we wouldn't reach the summit before nightfall, we rested,



examining the final 50 metres. Bolts led up for a few moves and then disappeared, to be replaced by copperheads and tied-off pitons. Slowly, by torchlight, I led the pitch to the final hanging belay. I was scared but determined. Russ came up and quickly demolished a short vertical ice smear—the final difficulty, and an impressive lead knowing the exposure but unable to see it. A short time later I was standing beside Russ on flat ground, 15 metres below the summit. Russ took the rope off and walked to the highest point. I didn't follow. All around was a view of inky blackness. It was very cold and, with success, adrenalin stopped flowing and overwhelming tiredness set in.

We spent the remainder of the night rappelling, slowly, almost in a hallucinatory state; time drifting. The only objective was to reach each other's pinpoint of light or to find the rappel anchor. Continually battling the overwhelming urge to fall asleep, we helped each other down. By dawn we reached our bivouac, collected our gear and continued descending. Our last rappel deposited us at the snow cave. Two Swiss occupied our space. After some increasingly unsubtle hints, we evicted them. Tension gone, we slept for 17 hours.

Elation finally came when the remaining rappels to the glacier were completed.

Success is always such an anti-climax and memories of suffering short. Ten days later we climbed FitzRoy's Super Couloir.■

Nick Cradock is a UIAGM-qualified mountaineering guide based at Mt Cook, New Zealand. He has made major ascents in Alaska, Yosemite Valley, Patagonia, Europe and Antarctica, as well as hard first ascents in the Mt Cook region.



Wild Trekking

TRANS HIMALAYAN TREK

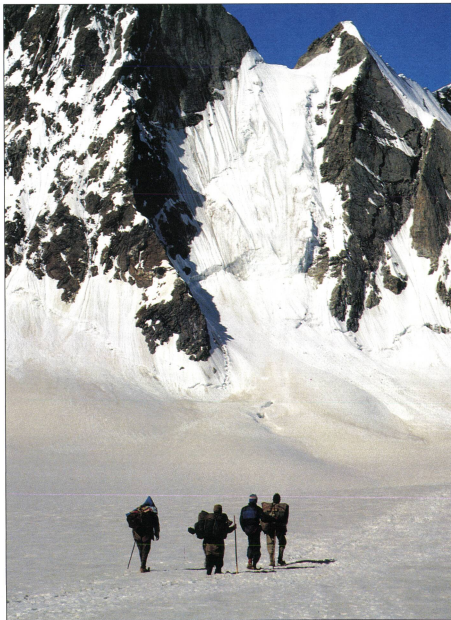
An odyssey through Ladakh's 'lunar
landscape'; with *John Middleton*
and *Libby Smith*

● FROM SRINAGAR IN KASHMIR IT IS A short and spectacular 40-minute flight north-east across the Himalayas and the Zaskar Range to Leh, the capital of Ladakh, in the Indus valley. The subject of this article is the even more spectacular return journey over those same mountain ranges but by a very different route, and on foot.

Due to the altitude (3,600 metres), the largest aircraft which can land at Leh is a Boeing 737, and even so the landing will be aborted unless conditions of wind and temperature are favourable. We spent three days in Leh to acclimatize to the altitude and to visit some of the places of interest in the region. Among the major cultural events of Ladakh are the annual festivals of the great gompas, or monasteries. We had timed our visit to coincide with the festival at Phyang, a spectacle of pageantry, dance, mime, music and mythological drama. The festival continues for three successive days and is the highlight of the year for the local people. The gumpa at Hemis also holds its festival during the summer, but most others are held in the colder months when Ladakh is less accessible to visitors.

A three-hour drive from Leh along the Kargil road brought us to the famous gumpa of Lamayuru. From here we made the ten-day journey to Karsha, in Zaskar, with a small trekking group which we had organized, and several pack horses. The route is one of the classic treks of Ladakh, climbing up and over seven high passes in seven days before joining the Zaskar River. From the top of each pass, the view to the south is dominated by the glistening white rampart of the Himalayan Range stretching across the horizon. This region is dry and barren, a land of perpetual sunshine during the short summer. The monotonous brown sedimentary rock of the mountains is relieved higher up by the white of the glaciers, and lower down by the green of the barley fields irrigated from the mountain streams. The streams themselves are fed by the melting of the glaciers. On the mountainsides high above the villages can frequently be heard the indignant whistles of marmots. These rodents, somewhat like large brown squirrels, will confront the passer-by from the safety of a rocky outcrop but will dive into their burrows when approached. Each night we camped in a valley beside a glacial stream, at an altitude of about 3,600 metres. There is no human habitation above, so the cold, pure water is perfectly safe for drinking. Each day we had to climb up to 4,500–5,000 metres over a pass and down into the next valley. Sometimes there will be snow remaining on the passes, depending on the time of year and on the severity of the previous winter.

After joining the Zaskar River, it was a pleasant two-day stroll upstream along the west bank to the village of Pishu. Across the river from Pishu is Zangla, the home of one of the two kings of Zaskar. Zangla is normally accessible by way of



Ali Farook and the porters trudging down the glacier flowing south from the Umasi La. John Middleton and Libby Smith. **Left**, Lingshet Monastery, Zaskar. Gary Wearle

that well-known landmark, the rope suspension bridge, but the river level was so high that the central part of the span was submerged, and the bridge impassable. From Pishu we continued to Karsha, a small village dominated by the largest monastery in Zaskar. Visible in the distance across the river is the home of the other king and the capital, Padum, situated on its hill of glacial rubble overlooking the plains at the confluence of the two branches of the Zaskar River. Continuing upstream along the bank of the western branch, the Doda (also called the Stod), we reached the steel truss bridge at Tungri. From Tungri there is a choice of routes out of Zaskar. The first is the vehicle track which follows the river westward to the Pensl La, then to Kargil and Srinagar. This is the route which the rest of our group travelled.

The second route, by way of Padum, follows the eastern branch of the river to

Kargyak, then across the Himalayas by the Shingo La (5,096 metres) to Darcha, thence by road to Manali and Delhi. Two or three days beyond Padum and three hours up a side valley is situated the wonderful Phugal gumpa, clinging to the mountainside high above the valley at an altitude of 4,500 metres. The first sight of Phugal creates an emotional impact comparable to Chartres or Ayers Rock. It is a place of intense spiritual significance. The monastery is built around and below a sacred cave, and is still inhabited by a community of some 200 monks. The monks are very hospitable, and visitors are always offered tea and tsampa. Visitors will also be shown the Dukhang (meeting hall) and the library, where the ancient books are hand-written in Tibetan script on loose leaves and bound in cloth between wooden covers. Even if not travelling by the Shingo La, the detour to visit Phugal is a rewarding experience not to be missed if time permits.

The third route out of Zaskar, and the one we followed, heads directly southward and upward into the Himalayan Range to

the Umasi La, the pass over the mountains at an altitude of 5,342 metres. The snow and glaciers on this route are impassable to pack horses, so local Zanskari porters were engaged for the mountain crossing. Our Kashmiri guide, Ali



The village of Wangla, with its monastery on a ridge high above. The green of the irrigated barley fields contrasts with the rock of the mountains. Middleton and Smith

Farook, conducted the long protracted negotiations in a mixture of Urdu, Kashmiri, and the local Tibetan dialect. Although we were travelling very light, the Zanskaris (understandably) will not carry the large loads to which porters in Nepal are often subjected, so five porters were required to carry equipment for the two of us and Ali Farook.

At last we got under way and, leaving the Doda at the village of Ating, headed up the valley of the Mulung Tokpo to the first camp, across the river from the deserted monastery of Dzongkul. The monastery nestles beneath an overhanging cliff, high above the river. The buildings have been slowly disintegrating since being abandoned about 20 years ago. The following day, we continued slowly upstream, occasionally passing small herds of yaks, brought up to the high valleys for the summer grazing. The porters were in a holiday mood, and well they might have been—we had allowed three days to get to the base of the Umasi La, a distance which really requires only two. There are many good camping sites beside the river, and we finally camped on a flat grassy area among huge granite boulders. That day, the continual sequence of fine sunny days was broken, and a cold drizzly mist filled the valleys, a certain sign that snow was falling on the peaks. This was confirmed the next day when we met a party of Indian Army soldiers. They were very friendly and their officer spoke excellent English. They had crossed the pass in snow the previous day, he told us.

The route continued upstream, towards the enormous Malung Glacier, with its terminal moraine, a three kilometre long mass of broken rock and rubble. Here we diverged to the left, up a steep narrow gully, to arrive at Nabil Rock Bridge, a natural bridge over the glacial torrent. Beside the bridge is a broad meadow carpeted with numerous varieties of alpine

flowers and an occasional specimen of the rare and beautiful Zanskar blue poppy. An hour further on we came to a stone hut at the foot of two glaciers, and the site of our final camp before the pass. It had been fine and sunny once again and the weather for the next day was looking favourable. The final ascent to the pass and the descent beyond are through deep snow. Ali Farook advised an early start in order to cross the snow before it softened in the warmer weather of the afternoon, so we all retired even earlier than usual.

Rising at 4 am, we set out an hour later in the first light of dawn, the route through the rocks barely visible, then climbed up to the glacier on the right which was reached after about 30 minutes. As the sun rose, the pale white dawn sky turned to a deep intense blue. But across the range a thick grey early morning mist could be seen spilling over the top of the ridges. The going was initially slippery over the icy surface of the glacier—the winter snow had long since been melted by the summer sun. The porters, clothed in an assortment of local maroon homespun woollen cloaks and tattered western attire, now made their only concession to the conditions. They each donned a pair of rope-soled shoes with curly pointed toes which made them look like Sinbad the Sailor, but provided a firm grip on the ice. Ali Farook borrowed a pair but obviously lacked the right technique—for him it was two steps forward and one step back! We were grateful for the stout walking boots which we had carried all this way and now wore for the first time. As we progressed further up the glacier, firm snow on the surface made the going easier. But not for long—the pass was now in sight, a narrow rocky cleft at the lowest part of the ridge. To reach it, we had to leave the glacier and make a steep 500 metre ascent through deep snow. Although it was a long slow climb, we had by then been above 3,500 metres for over two weeks, so the altitude did not impose a severe burden upon us. As with every other mountain pass in the Tibetan region, the top of the Umasi La is marked with the usual stone cairns festooned with Buddhist prayer flags. When we reached the pass, a sea of mist obscured the view to the south. But as we rested there, the mist gradually dissipated to reveal a wide snow-filled bowl surrounded by snow-capped peaks and, flowing from the southern rim of the bowl, the glacier which we were to follow.

Initially the descent is an easy five kilometre stroll down the glacier. There are many crevasses caused by movement and melting of the ice, but they are easily detected and not difficult to avoid. Further down, the glacier descends rapidly at an icefall. Here our route diverged temporarily from the glacier and followed a steep difficult section down the valley wall beside the icefall, once again in deep snow. Returning to the surface of the glacier below the icefall, we had the worst of the snow behind us, and could afford

Ladakh!

• ALTHOUGH POLITICALLY PART OF THE NORTHERN Indian State of Jammu & Kashmir, the Ladakh Zanskari region is, in most other ways, part of Tibet. Situated on the Indus and Zanskari Rivers, the region occupies a high, dry part of the Tibetan plateau renowned for its arid and spectacular 'luna' landscape. In fact, the area is a high-altitude desert much of it above 4,000 metres, with vegetation confined to narrow strips along major watercourses. Rainfall is minimal, and most of the region's meagre precipitation comes from winter snowfalls. Trekking will be more concerned about protecting themselves from the effects of the sun than keeping dry.

Evidence of the Buddhist religion is seen everywhere and, from a visitor's point of view, adds considerably to the region's interest. Spectacular monasteries cling to precipitous mountainsides, prayer flags flutter from every house and mountain pass and the approaches to villages are marked by mani walls and chortens. The Ladakhi people are colourful and friendly, and their harsh country is only sparsely populated. Without a heavy rucksack—and other 'hazards' too well known to Australian bushwalkers such as dense scrub, freezing rain and leeches—trekking in Ladakh will seem a relatively benign activity. And fascinating experiences and dramatic views at almost every turn make it possible to forget even the effects of altitude, particularly if you are walking with the knowledge that when you reach your campsite for the night, your tent will be pitched and dinner cooking.

How to go. The cheapest way to go, by yourself and carrying all your own food and equipment, is also the hardest, particularly if you are not thoroughly acclimatized. Regardless of how you intend to travel, sufficient food and fuel should be carried for the entire trek since little, if any, is available along the way. Kerosene or petrol are the fuels normally used and can be obtained in Leh.

The next level of self-organized trek is the hiring of ponies to carry food and equipment (except for items you may need during the day, such as a parka and water bottle, which should be carried by the trekker in a day pack). If you are using ponies it is desirable to carry your equipment in duffel bags, which should be locked to discourage pilferage. Ponies may not be readily available when you want them, however, and negotiations frequently take a number of days. Currently, they cost about 50 rupees a day to hire, including a pony man (essential). Allow about one pony for each person (not counting the pony man).

The third stage is to also hire a cook, who can be a valuable asset. He will provide the cooking utensils, recommend appropriate food (which should be obtained at the start of your trek) and bargain more effectively in bazaars, saving you considerable time and money. In addition to doing this and cooking good meals, he is also likely to be a valuable and interesting source of information. A cook can be hired for about 100 rupees a day (allow for up to four extras days if he is to come from Srinagar). Food, obtained in Srinagar and Leh, should cost about 70 rupees a day for each trekker, including his or her share of the cook's food. It is wise to carefully check a cook and pony man's experience of the area you propose to visit before engaging them. It is normal to give a reasonably generous tip, for good service, at the end of the trek. These services can be arranged through a number of trekking agencies in Srinagar and Leh, including Kashmir Himalayan Expeditions and Artou-India which each have offices in New Delhi, Srinagar and Leh. Our trek was arranged through Gary Wear's organization, Mountain Journeys (PO Box 241, Srinagar, Jammu & Kashmir, India), and its associate in Leh, Regzin Jora, who owns the Hotel Mandala, Fort Road, Leh; both were excellent. Information is also obtainable through government tourist offices in Srinagar and Leh, but this is a more indirect approach (and in India, this is the last thing you want).

Facts for would-be trekkers, by Chris Baxter

A self-organized trek allows considerable flexibility but can be expensive if you are hiring a cook and ponies for a very small group. Most trekkers prefer to visit the area with an adventure travel organization, based in Australia or India, to minimize preparation and, possibly, cost.

When to go. The trekking season is normally from May to October, inclusive, with July, August and, particularly, September being the best time. The road from Srinagar to Leh is usually closed for the winter from 15 October. Flooded rivers can be a problem early in the trekking season, and high passes may be blocked by snow at either end of the season.

Maps and other references. *Trekking in the Indian Himalaya* by Gary Weare (Lonely Planet, 1986) and *Kashmir, Ladakh & Zaskar* by Margret & Rolf Schettler (Lonely Planet, 1985) are good sources of information on trekking in the area and are readily available.

Maps are more of a problem. We obtained a copy of *Ladakh-Zaskar*, 1:350,000, published by Artou, and found it adequate. The Indian Government's two-sheet *Trekking Route Map of Jammu & Kashmir*, 1:250,000, is also available. Both maps are said to be obtainable in Leh.

Equipment. What you take will be determined to a large extent by the type of trek. You will have to take at least if you are part of an organized trek with an adventure travel organization. Your clothing should be similar to what you would need on a summer bushwalk in the Australian Alps, during which you might experience both very hot weather and cold, damp conditions.

Health considerations. Whilst there are undoubtedly health risks associated with trekking in remote regions, particularly in Third World countries, they can be minimized with an informed and prudent approach without the need to approach paranoia. It is wise to have a medical examination before you arrange your trip, and to have the appropriate vaccinations, possibly including one for hepatitis. If you are going with an adventure travel organization, it would normally carry an adequate first aid kit, but check first. Otherwise, you will have to assemble your

own, before you leave Australia. The problems most likely to be encountered are 'stomach upsets', (respiratory) infections and the effects of altitude. The first can range from mild to life-threatening, and appropriate medication should be carried for diarrhoea, dysentery, giardia and similar afflictions.

It is important to pay particular attention to what you eat and drink, and to personal hygiene. All unboiled water should be regarded as suspect and should be boiled thoroughly and, preferably, also treated correctly with a purifier such as iodine, as it is not always possible to ensure that water has been properly boiled. It is wise to avoid uncooked food, particularly fruit and vegetables, and also meat and dairy products. Starting a trek with a heavy cold is asking for trouble as they can develop into severe respiratory problems at altitude. In any event, a good supply of appropriate antibiotics should be carried. For information on coping with the problems of altitude, see *Wild Ideas* in this issue. Naturally, all medical preparation should involve a suitably qualified medical practitioner. You must know what to do with your first aid kit should the need arise. It is a good idea to take an appropriate reference with you, James Wilkerson's *Medicine for Mountaineering* (The Mountaineers, 1985) is excellent for this purpose. It is a good idea to carry your first aid kit in two parts (with different people!) in case of loss, but divide it carefully.

The sun is much more of a hazard at altitude than is generally recognized, and thorough precautions should be taken, particularly if you are fair-skinned. Dogs and rivers do not usually present problems to trekkers in the region, but have been known to claim lives and should be treated with respect. Give dogs a wide berth when passing through villages and ensure that villagers see you approaching so that they have a chance to tie up any unrestrained dogs. Rabies is not unknown in the region. Major rivers are usually bridged, and most other streams present little problem. There are significant exceptions, however, and in such cases crossing should be approached with extreme prudence, together with the appropriate knowledge and equipment.

Getting there. Whilst it is possible to inexpensively fly direct to Leh, the capital of Ladakh, from either New Delhi or Srinagar, this involves a sudden and significant height gain (Leh is at an altitude of about



3,500 metres). This frequently results in unpleasant symptoms of altitude sickness for those making the flight, particularly if they do not take it easy for their first few days in Ladakh. On the other hand, there is much to be said for flying out of Leh—the view of the Himalayas is breathtaking. All flights into and out of Leh should be booked, and reconfirmed, well in advance, as flights are heavily booked and frequently cancelled on account of weather.

The alternative to the plane is an epic two-day drive from Srinagar to Leh, one of the wildest roads in the world, and the crossing of three high passes. Whichever, it is an experience not easily forgotten. But to maximize the adrenalin flow you should travel by bus which, at the fastest, takes two very long days with a 'night' in Kargil in between. The advantage is that this is relatively cheap—about 60 or 90 rupees for a one-way ticket, depending whether you travel on an 'A' or 'B' class bus. Hiring a car or a Jeep costs considerably more (about 4,000 rupees), but some consider it worth while for the additional comfort and safety afforded, although these are strictly relative concepts under the circumstances.

After a few days of dealing with Srinagar's traders, and the drive to Leh, you may not have the stamina for too much negotiation in Leh. Fortunately, however, there are a number of hotels from which to choose, and you should be able to obtain a good room and three meals a day for 200–300 rupees a day (cheaper on a shared basis). (At the moment, \$A equals about eight rupees.) We had trouble getting anyone to cash \$A traveller's cheques; American dollar traveller's cheques seem a better bet. Carry a lot of small-denomination notes in Indian currency, as change is often not available, particularly in more remote areas.

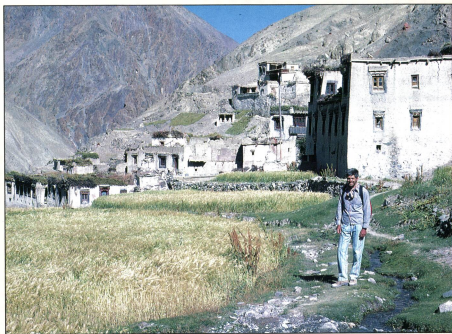
Recommended treks. The possibilities are considerable, but most of the best trips require ten or more days and almost all treks involve crossing passes of 4,500 metres or more. The Markha valley trek is popular, as is that from Lamayuru to Alchi. Others are suggested on the Artou map referred to above. The trek described in the accompanying article is a more extended option.

Whilst theft is uncommon, it is as well to look after your belongings. Shoes and socks are particularly favoured items, and should not be left outside your tent at night. Begging, particularly by children, is more of a problem, and should not be encouraged.

Some enterprising villagers have taken to charging trekkers for camping on their land. (Many campsites are near villages.) A typical fee for this is ten rupees a night for each tent, excluding the cooks.

However or wherever you trek, remember that we are guests in this unusually beautiful, and delicate, environment. Already campsites are disgracefully littered with toilet paper and other rubbish left by trekkers. 'Go the extra mile' to leave this mountain paradise at least as you find it. ■

Below. Chris Baxter at the village of Rumbak. Sue Baxter **Above right.** trekkers and their ponies descending from the Stok La. Chris Baxter



the time to stop for a belated breakfast and a welcome mug of tea. We had come a long way, but it was still only 11.30 am.

From there, where four glaciers converge, all tumbling down icefalls to unite in one, there were three more hours walking on ice. Then the glacier ends and the track continues down the side of the valley, high above the terminal moraine. We were now entering the lush, green valleys of Kashmir. In the higher valleys, nomadic shepherds graze their sheep in the summer months. The highest permanent settlements are the Buddhist villages of immigrants from Zaskar. The last of these, lusen (Husen), was as far as our porters were prepared to venture from their own territory. So again we engaged in protracted negotiations, this time for the hire of two donkeys, the only form of transport available. Here also, we were interviewed by two immaculately uniformed police officers who appeared quite out of place in this remote region. The apparent explanation for their presence is the existence of a valuable sapphire mine in the area.

Now that we were on the south side of the Himalayas, the climate was much wetter and showers were frequent. Cedar forests and picturesque Hindu villages built from their timber appeared in the valley. These villages were less attractive on closer acquaintance. The track through each village seemed to be used as a



Libby Smith rests below prayer flags on the Umasi La. Middleton

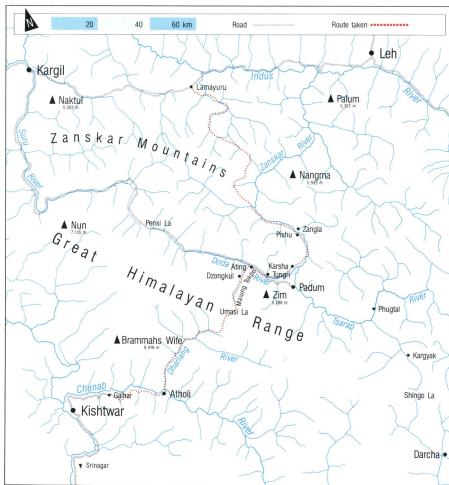
public toilet, so we hurried through without pausing. In this fertile region, one of the most common species of weed is that well-known hemp plant. Each evening we reluctantly crushed several flourishing specimens as we pitched the tent. Continuing down the Pardar valley to its confluence with the Chenab, we came to the thriving town of Atholi. Although still

a day and a half from the nearest road, at Galhar, Atholi is a major provincial centre with government offices and schools. We were greeted by each school child with 'What is the time by your watch'—obviously page one of the local English textbook. Atholi is served by a transport system of horse trains each comprising 15–20 pack horses, bringing supplies from Galhar. About five kilometres beyond Atholi, and high above the river, is a hot spring or tatapani, described enthusiastically by the local schoolteacher as 'the very finest health resort'. It is actually a slimy rock pool, definitely not worth the detour.

At Atholi we left our trusty donkey man and joined a pack-horse train returning empty to Galhar. This final day and a half of walking is as hard as any on the whole trek. The horses travel very fast, and the track repeatedly climbs and descends by as much as 800 metres, following the river through rugged terrain. The road is presently being extended towards Atholi, but in this terrain the construction will probably take several years. The last few kilometres from Galhar to Kishtwar was by local truck, arriving in darkness at 9 pm. Kishtwar is the feeling of a frontier town and is rather lacking in modern amenities. The name of the no-star hotel we checked into is best (and has been) forgotten.

We had arranged the luxury of a car to meet us, but as there was no sign of it we boarded the 6 am bus for Srinagar. These buses are exceedingly slow and uncomfortable, so we were extremely pleased when, after only two hours, we spotted Mohammed coming from the other direction in his familiar cream Ambassador, and were able to complete the journey to Srinagar in comfort. ❧

Ladakh



John Middleton shares his spare time between his passion for the sky (parachuting and aerobatics) and the Australian bush (walking and ski touring). A consulting engineer and part-time director of an adventure travel organization, he also devotes part of each year to travelling in the Himalayas. Libby Smith, a market research consultant by profession, has a long-standing involvement with bushwalking and conservation. A love of India and the Himalayas, and numerous visits there, culminated in her becoming co-founder and Melbourne manager of Himalayan Odyssey, an adventure travel organization.

Croajingolong Coast

Andrew Brookes describes Victoria's outstanding coastal walk

Track Notes

● CROAJINGOLONG NATIONAL PARK STRETCHES 100 kilometres along the East Gippsland coast, from Sydenham Inlet to the New South Wales border at Cape Howe. It extends inland for ten kilometres or so, to where cynics might note the vegetation becomes increasingly suitable for logging. The park covers an area of 86,000 hectares.

With vehicular access to the coast permitted at only three places, walkers can explore undisturbed rocky headlands, enjoy the solitude of secret bays and inlets, and follow beaches where the only other footprints belong to wild dogs patrolling the high-tide mark.

Point Hicks was the first land sighted on the east coast of Australia by the crew of the *Endeavour* in 1770. George Bass sheltered in Wingan Inlet for ten days in 1797; his stone anchor is still buried under the sand there.

Over 60 Aboriginal middens along the shoreline, many damaged by wind and waves and in some cases by visitors, lend a poignant irony to the solitude. The Kurnai tribe of Gippsland declined from over 2,000 to about 200 members in 20 years, partly as a result of deliberate massacres by white settlers. Aboriginal occupation of this part of Australia is known to have extended back at least 17,000 years. Walkers should take care not to disturb Aboriginal sites. Such interference, apart from being illegal, can destroy layering and associations crucial to possible future archaeological work.

There have been about 40 shipwrecks along the coast. The crew of the *Sydney Cove* made it ashore near Cape Howe in 1797. The *Schah* was wrecked off Rame Head in 1837 with the loss of seven lives. Thirty-seven lives were lost in the sinking of the *Monumental City* in 1853, and the same number were lost in the wreck of the *Iron Crown* in 1942, both off Gabo Island. Observant walkers may find identifiable debris from more recent wrecks; for example, the cray boat *San Francisco* wrecked near Wingan in 1982, and the fibreglass catamaran *Windsong* wrecked at Petrel Point with the loss of three lives in 1984.

The varied coastal environments support a corresponding diversity of flora and fauna. Carrying a field guide or two adds interest to a trip—*Mammal Tracks and Signs* (B Triggs, 1984) would be a good choice.

When to visit. Given that solitude is one of the main pleasures of coastal walking, to nominate a best time would be to give a kiss of death. The Christmas holiday period and Easter would be times to avoid, if possible. Wildflowers are at their best in spring and summer, as are the snakes. The weather is more suited to swimming in the warmer months, but walking along the beach or through the scrub is more pleasant in cooler weather. So take your pick. Rainfall does not vary a great deal from month to month, and temperatures are moderated by the coast, resulting in an average minimum of about 8 degrees in June and an average maximum of 21 degrees in January and February.



She's recovered from the 'Snowy doldrums' (see cover of Wild no 28) and is pictured here striding out on Petrel Point. All photos Andrew Brookes

Maps. Algonia has published a double-sided 1:125,000 scale map of the park. This map has the most accurate track information and details some points where water can be found, but is currently out of print with no immediate plans for revision. If a copy cannot be obtained, the 1:63,360 Forests Commission maps *Mallacoota 488* and *Cann 487—Everard 490* are probably a better choice than the Natmap 1:100,000 alternatives *Cann* and *Mallacoota*. The Algonia map is on display in the window of the National Parks office at Cann River, and track information and water points could be copied from it on to the forestry maps.

Special precautions. High tides and heavy seas can make sections of coast impassable. The *Victorian Tide Tables* are obtainable from the Australian Government Publishing Service, 318 Little Bourke Street, Melbourne, Vic 3000. Cold winds and rain can sweep the beaches at any time of the year and suitable clothing should be carried. Crossing some estuaries may require packs to be fully waterproofed with plastic liner-bags. Very hot and dry conditions are possible in summer and sun protection is essential. It is wise to carry at least three litres of water a person in hot weather. Gaiters are also essential for protection against prickly coastal scrub and snakes, which are numerous in summer. The Australian paralysis tick frequents the area. Its bite is sometimes fatal.



West of Point Hicks. **Right**, the 'Croajingolong Hilton', west of Wingan Inlet.

but full recovery usually follows removal of the offender. An engorged tick looks like a small blood blister. Ticks should be lifted out with sharp-pointed scissors or tweezers. Do not squeeze the body of the tick, and be sure to get the whole tick in one piece including its mouthparts. I understand that it is a Croajingolong tradition to assist persons of the opposite sex inspect themselves for ticks. Mosquitoes are plentiful in summer; tents should be mosquito-proof. Ordinary tent-pegs may not hold in sand. Attach cord to your tent so sticks can be used instead of pegs. Sharks and undertows should be considered when swimming in the ocean.

Access. The Tamboon-Point Hicks (Cape Everard) road is a good gravel road from Cann River to the Thurra River camping ground. Toilets, fireplaces and water are available. Sites must be booked at Easter and over the

Christmas holiday period. Similar conditions apply to the Wingan camping ground, which has the same basic facilities. The road to Wingan Inlet leaves the Princes Highway about 20 kilometres east of Cann River. The township of Mallacoota has extensive tourist facilities. It is reached by a sealed road from Genoa. Vehicles are permitted as far as Shipwreck Creek, where limited basic camping facilities are available. Walkers are permitted to camp elsewhere provided fire regulations are observed and rubbish carried out. Other roads in the park require four-wheel-drive or are closed to vehicles. National Parks offices are located at Cann River (telephone 051 58 6351) and Mallacoota (051 58 0263). The Ranger requests walkers to leave details of party and plans at one of the offices.

Trips. The following notes give details of the coast between Mallacoota Inlet and Clinton Rocks. Many different trips are possible, perhaps using a car shuttle or incorporating

some of the inland tracks. Those walking in this area should have sufficient experience to plan their own daily stages, estimate walking times and choose campsites. This is not the place for paint-by-numbers bushwalking. Only very experienced parties should plan to traverse untracked country inland; the scrub is very thick in parts, particularly since much of the area has been burnt in the last few years. Similarly, traversing the rocky headlands can be very slow and difficult, with no easy way of obtaining assistance in the event of an accident. When planning, allow plenty of time for beach-combing, side trips, swimming or unexpected delays. The following notes should be used in conjunction with the appropriate maps. Notes refer to travel from east to west except where indicated.

Shipwreck Creek to Benedore River

The route follows the old coast road, which is closed to vehicles. Drinking water is obtainable at Shipwreck Creek, at a small cove

two kilometres further on and at Benedore River. The track is obvious when travelling in either direction. A side trip to Little Rame Head is possible, but to follow the rocky coastline instead of the track probably is not.

Benedore River to Red River

Follow the beach west for about a kilometre to a small stream (water obtainable). The start of the inland track to Red River is marked by a ladder up the cliff behind the beach. At the Red River end the track is marked by steps to the beach just east of the estuary. A branch crosses Red River two kilometres or so inland, where fresh water can be obtained. Vehicles are not permitted beyond this point. An alternative to the track, for experienced walkers, is to follow the rocky coastline, crossing Sandpatch Point when cliffs are encountered.

Red River to Wingan

From Red River, the coast is followed easily to Easby Creek (water obtainable). A track crosses Wingan Point, but the coastal rocks provide a more interesting route to Wingan Inlet. The track joins the inlet several hundred metres inland from the mouth, and this is a safer place to attempt a crossing than near the ocean, where at least one walker has been swept out to sea and nearly drowned. It may be possible to wade the inlet at low tide. Around low tide, I have found the channel near the track relatively easy to float across on an air mattress; alternatively, boat access could be organized prior to the trip, or the inlet avoided by taking the East Wingan Track, or by returning to Mallacoota. A track from the ocean beach to the Wingan camping ground is marked by a couple of posts, a kilometre west of the inlet mouth.

Wingan to Thurra River

From Wingan, the beach can be followed west. At the end of the sand a track to Petrel Point is prominently signposted. At the other end of the beach the track becomes quite cryptic in the sand-dunes, the finish marked by a small sign which is easily missed by walkers

coming the other way. (Coming from Petrel Point, look behind the westernmost boulders at the Rame Head end of the beach.) An alternative for experienced groups is to follow the coast round Rame Head (fresh water available in several places)—a much more difficult route. Continuing west, the beach is followed to Petrel Point. A few hundred metres before the end of the beach, water can be obtained from the Elusive Lake outlet, which soaks into the sand behind the first row of dunes. Follow the rocks (several soaks and small creeks) round to the next beach. (Look out for the driftwood hut, complete with whimsical balcony.) A kilometre or so along the next beach, water is available where the Gale Hill Track (closed to vehicles) joins the beach. This track is well marked inland, but neither the track nor the water can be seen from the beach. The route to Thurra River follows the beach. Both the Mueller River and Thurra River estuaries could be easily waded at the time of writing (late 1987). Water is available at the end of the Camp Creek estuary, and from the Thurra River upstream from the bridge.

Thurra River to Clinton Rocks

From Thurra River the road can be followed to the Point Hicks lighthouse reserve. Vehicle tracks within the reserve cross the point and a pad leads down to the end of the beach (fresh water available from a creek). Alternatively, the rocks can be followed round the coast, or a route found from the camping ground across the giant sand-dunes. The beach is followed to Clinton Rocks. Drinking water may be available at Clinton Rocks from a brackish soak. The Clinton Rocks track (closed to vehicles) cannot be seen from the beach; it begins about 300 metres east of the first rocks. Better water is available from either of two creeks about a kilometre west of the rocks. This would be a suitable place for a base camp to explore the coast further west. A trip right through to the Pearl Point road (outside the park) is possible, but the last section of coast is less interesting,



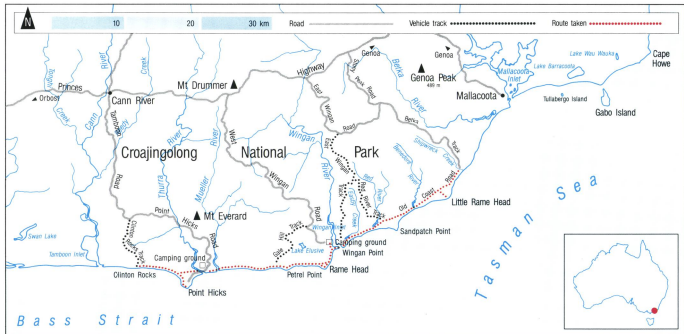
has neither water nor escape routes and Tamboon and Sydenham Inlets may not be easily crossed if the sand-bars have washed out.

East of Mallacoota

Mallacoota Inlet is crossable only by boat; the area is extensive enough to warrant a separate set of notes, so has not been considered here. ■

Andrew Brookes (see Contributors in *Wild* no 13) has been bushwalking and ski touring for many years. One of *Wild*'s most regular contributors, he is a lecturer in outdoor pursuits.

Croajingolong



Wild Canoeing





The ins and outs of wild-water travel; practical tips from Yvonne McLaughlin

● WHY DO PEOPLE WANT TO PADDLE through wild, inhospitable country on unpredictable rivers? Why do they seek places where few, if any, people have been before?

Some want to see how Australia looked before the arrival of white settlers. Others see an attraction in being completely cut off from civilization and having to rely on their own resources.

Good paddlers may want the challenge of an unknown river with exciting new rapids, more difficult than they have previously experienced. For them, the paddling is the most important part of the trip. Others may be looking for the total wilderness experience, the paddling being the means by which to travel through the area, the primary consideration. Such people often want leisurely paddling, with some easy rapids to add fun to the trip.

Wilderness trips can satisfy many needs and are often long remembered, regardless of the venue. Not all wilderness trips take place a long way from civilization. Some may be quite close to major population centres, with difficulties of access or terrain putting them in the

Near left, lunch break on the Macleay River, New South Wales. **Far left**, less sedate activity on the Nymboida River, NSW. All photos McLaughlin collection

Wilderness PADDLING

'wilderness trip' category. An example is the Colo River Gorge, which is a relatively short distance from Sydney. You don't have to be an expert paddler or a seasoned 'bushie' to undertake a wilderness paddling trip. The basic formula for a successful and safe experience is thorough preparation—from selecting the venue to deciding the food you will take.

When choosing a venue the first consideration is often the degree of difficulty of the paddling. Other necessary research and preparation can then follow. If the chosen river has been paddled before, information may be documented in a canoeing guide. Or it may be possible to contact people who have made the trip and gain firsthand information on how to approach it. In either situation, much research has already been done, making preparation easier.

If there is any uncertainty as to how difficult the paddling will be, the gradient of the river should be studied. As a general guide, the canoeable sections of most white-water rivers have a drop of between four and twelve metres a kilometre. A gradient of less than four metres a kilometre usually indicates grade-two standard—moving water with some small rapids. A gradient of more than ten metres a kilometre usually indicates grade-four standard or higher—very difficult rapids, often for extended stretches.

Occasionally you find exceptions to these general rules. An example is Victoria's Wonnangatta River, where the gradient is five metres a kilometre, indicating some interesting grade-two and grade-three rapids. In fact, this section has almost continuous pebble races. Further downstream, where the river becomes the Mitchell, the gradient is three metres a kilometre. This section has some good grade-three rapids interspersed with long flat pools. In this case, the section with the lowest gradient has the more interesting white water, the reverse of what would normally be expected.

A study of a relevant map will often reveal whether height is lost in a few large waterfalls or over the length of the river. A map with a scale of 1:25,000 will usually give this information as well as other valuable facts relating to the topography of the area. If a 1:25,000 scale map is unavailable, a 1:100,000 scale map will be helpful but, of course, less detailed.

The person organizing the trip, who for better or worse is usually dubbed 'trip leader', should make sure that group members have sufficient skill and experience for the trip and are compatible. Often, members of a group will have complementary skills. It is unlikely that one person will be good at everything—I have yet to meet such a paragon. Better paddlers will be able to advise and assist weaker ones; the skills of experienced 'bushies' will be particularly useful in camp and on extended trips; a rockclimber's knowledge and skill with ropes will be useful on difficult portages.



Many hands make light work—on the Franklin River, Tasmania. **Right**, it's all got to fit into that kayak—on the Macdonald River, NSW.

Other attributes can help make a trip a success—a good sense of humour, skill at camp cooking, an ability to defuse a difficult situation or motivate the group when enthusiasm flags, as on the tenth day of pouring rain or 40° heat.

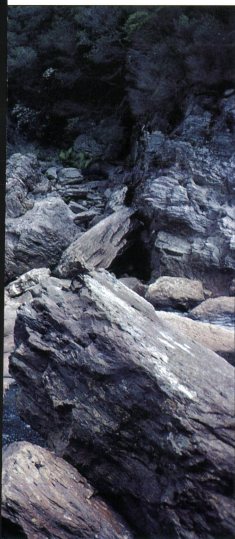
Once a section of river and a time have been decided, then the real preparation can begin.

Checking access to the river is very important in determining both how much time to allow for the car shuttle and how much physical effort will be required to reach the water's edge. Sometimes it is necessary to approach a river by one of its tributaries—for example, the Franklin River (Tasmania) is usually reached by the Collingwood River. On some trips a car can reach the water's edge—it is possible to drive right to the edge of the Darling River (NSW) in many places. To reach others, such as Queensland's Mitchell River, a four-wheel-drive vehicle may be necessary. Access can require a fair amount of physical effort. It takes about three hours to get boats and gear down the steep sides of a gorge to the edge of the Shoalhaven River at Sewells Point, in New South Wales. At Blencoe Falls on the Herbert River, in Queensland, the usual

approach to the water involves roping boats and gear down cliffs.

At this stage most paddlers practise their skills and try to improve their level of fitness so they will be ready for the trip. Doing this also prepares them psychologically, and this is equally important. Wilderness trips require groups and, to a degree, individual participants to be self-reliant. Bad weather, difficult portages, mishaps such as breaking a paddle, losing a camera, or getting food and fibreglass resin mixed up (I've heard of this one happening many times) can be demoralizing. On long trips the sense of isolation can have a debilitating effect. Preparation, both physical and psychological, can pay dividends later. It also enhances the feelings of achievement and personal satisfaction which follow the trip.

It is important that boats and equipment are in good order. Whether equipment has already seen use or is brand new, it must be adequate for the job. As the advertisements say, 'your life could depend on it'. A boat, paddle, buoyancy vest and appropriate footwear are essential. Depending on the venue, hard hats, spray covers, wet suits and windproof/waterproof jackets may need to be added. In addition to the usual things required for lightweight camping in remote



portaging is expected—for example on rivers like the Franklin in Tasmania or the upper Shoalhaven in New South Wales. A rope has many other uses. It can be used as a clothes line, for rescue purposes and for tying boats up at night so they don't drift away if the river rises. For obvious reasons, it is useful to take pre-stretched non-absorbent ropes.

On white-water trips it is useful to carry a spare, collapsible kayak paddle for every two kayakers and a spare Canadian paddle for every double canoe. On flat-water trips fewer spares need be carried. Of course, on some trips no one will break or lose a paddle, but on others even the spares may run out. On long white-water trips paddlers should carry a full boat-repair kit for every two or three fibreglass kayaks. A standard repair kit consists of

should ensure they have a good supply. Contact-lens wearers should take plenty of cleaning solution and spare spectacles. It is important that several members of the group have a sound knowledge of first aid. Knowledge of cardiopulmonary resuscitation (CPR) is important as well as knowing how to treat snake bites and how to dislodge ticks and leeches.

Packing all this equipment into a boat and keeping it dry can be the biggest challenge of the trip. There are various waterproof bags and barrels on the market and these are generally very good value. A cheaper alternative is to use three layers of heavy-duty garbage bags, one inside the other, with a firmer bag such as hessian, which can stand some wear and tear, on the outside. A good supply of garbage bags and elastic bands is



areas, each party should also take a full boat repair kit, spare paddles and ropes.

The weight and volume of equipment can be reduced by the use of lightweight items and by sharing equipment where possible. Tents and cooking utensils are easy to share and often a food 'kitty' for the whole group can save space. Maps are usually required on a wilderness trip, although this depends on the venue. Some paddlers like to carry a map anyway so they can monitor progress. It is often useful to laminate key maps so they won't fall apart with frequent use or should they get wet.

Sufficient food must be carried for the trip, plus some extra in case of emergencies. It can be difficult choosing interesting, nutritious food which is neither bulky nor heavy. Some experimentation at home beforehand would be worth while—see 'Food for Thought' in *Wild* no 22. A menu can often be supplemented with freshly caught fish, as most wilderness rivers are well stocked. On some rivers, such as the Darling, shrimps, yabbies and perhaps a freshwater cray add variety.

It is difficult to assess the amount of rope which should be carried because this depends on the nature of the trip. However, three 20 metre lengths should meet the demands of a group of ten people where a fair amount of difficult

about half a litre of resin, catalyst, half a square metre of fibreglass mat, four metres of fibreglass tape, glasspaper or sandpaper, brush and acetone for cleaning up. A supply of cloth-backed tape is recommended for small, quick repairs. On shorter trips with few rocks or rapids a smaller repair kit will do. Although plastic boats are supposed to be indestructible, I know from my own experience that they can be torn and holed. Repairing plastic boats still demands trial and error. Plastic or cloth-backed tape can be useful. For specific information as to how your boat can be repaired, talk to the boat retailer or manufacturer before the trip. All paddlers should know how to repair their boats and how to safely handle and pack the chemicals, particularly the catalyst.

The inclusion of a couple of first aid kits (carried in separate boats) is important when paddling in remote areas. Individual paddlers who take specific medication

invaluable as they tear with use. Gear should be evenly distributed within the boat and firmly stowed or tied in. Patience and imagination are a great help when packing a boat and a practice pack prior to the trip can be quite an eye-opener. Paddlers have been known to tape packages to the front and back decks of their kayaks when unable to get all the gear into their boat.

Each trip is unique and different aspects of it will mean more to one person than another. But regardless of why you undertake a wilderness trip, prepare for it carefully and remember that these areas are special. Take out what you take in, leaving only footprints in the sand as evidence of your trip, so that others who follow will enjoy the same beauty and experience their own wilderness adventure. ■

Yvonne McLaughlin (see Contributors in *Wild* no 7) is *Wild's* Contributing Editor for canoeing. She has been paddling for more than ten years and is an instructor with the Victorian Board of Canoe Education.





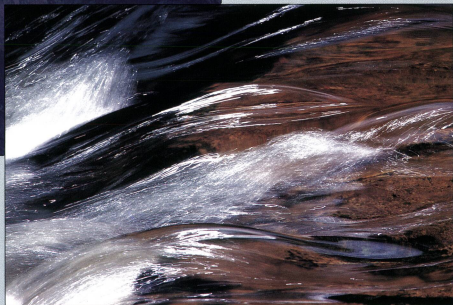
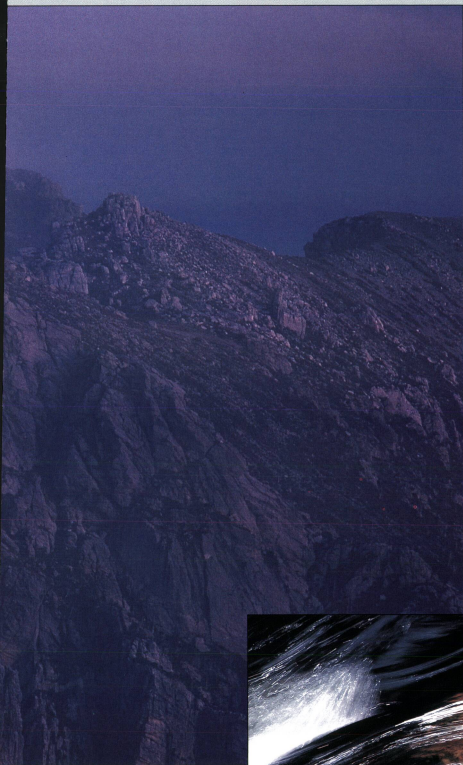
Michael Collier

Left, snow gums
at Mt Erica
and, **above**,
Cobungra Gap,
Victoria.



*Philps Peak by
moonlight, from
Frenchmans Cap,
Tasmania.*

Right, Mersey
River, Tasmania.





**BEFORE OUR GEAR
GOES ANYWHERE
WITH YOU,
IT GOES THROUGH
HELL WITH US**

Before leaving for Changtse (7,560 metres), China, Glen Nash and Rod Turner (NSW) chose a tent from among the world's best. They chose a JanSport Meridian because of its...proven resilience in extreme conditions... Glen and Rod took their JanSport Meridian to Camp V (6,700 metres) on Changtse, from where they made their successful summit dash, completing the first Alpine-style ascent of the North Face, on 29 September 1987. Relentless field-testing is a way of life at JanSport. Our quest for continuous improvement has taken JanSport packs and tents to the furthest corners of the Earth and its highest peaks, including Mt Everest. Because JanSport packs and tents surpass our rigorous standards we are confident that they will satisfy your demands. Examine the latest JanSport range at better outdoor shops.

Stockists include Paddy Pallin shops and selected Scout Outdoor Centres throughout Australia. **Sydney** Alp Sport, Eastwood Camping Centre, Mountain Equipment, and Wildsports, **Canberra** Jurkiewicz Camping Centre, **Melbourne** Ajays Snow Country Sports, Eastern Mountain Centre, Outsports, and the Wilderness Shop, **Ballarat** Outdoor Gear, **Geelong** Outdoor Ventures, **Wodonga** Mountain Sports, **Hobart** Jolly Swagman, **Launceston** Allgoods, **Adelaide** Flinders Camping, and Mountain Designs, **Perth** Mountain Designs, **Fremantle** Wild West Adventure Equipment.

Send for a **FREE** colour brochure. JanSport packs and tents are proudly distributed by Outdoor Survival Australia Pty Ltd, 2/6 Dunn Crescent, Dandenong, Victoria 3175. Telephone (03) 793 4288. Fax (03) 794 0750. Photo: JanSport Meridian at Camp IV (6,100 metres) on the Changtse Glacier, China. Louis Whittton.



JANSPORT

QUALITY OUTDOOR GEAR

Cross Country Skis

The right stuff for the white stuff, with *Dave Jones*

● THIS SKI SURVEY COVERS A REPRESENTATIVE range of skis for extended day trips over tracked and untracked terrain, or multi-day trips involving pack carrying. Suitable skis would normally be at least 47 millimetres wide and, ideally, have some side-cut.

All skis are designed for a specific job, from racing to Telemarking. A ski will do its job with diminishing levels of success as you get further from its intended use. It is possible to ski the Black runs at an alpine resort on a pair of racing skis, but a pair of purpose-designed Telemark skis will do it much better. It is also very important to remember that you must combine suitable boots and bindings with your chosen skis. A pair of low-cut shoes with racing bindings will not work well on a pair of Telemark skis, nor will a pair of heavy leather touring boots and 75 millimetre bindings work well on a pair of lightweight skating skis.

For this survey I have divided the models represented into three broad and slightly overlapping categories, based upon their best use.

Day touring (D). Skis between 47 and about 50 millimetres at the waist, designed for skiing on tracked or untracked snow, with the skier wearing a day pack.

Touring (T). Skis greater than 49 millimetres wide at the waist and intended for pack-carrying on extended tours in 'normal' terrain. Touring skis should have some side cut and are usually very robust. They are well suited to the novice skier, being very stable and easy to ski on.

Heavy touring (HT). These are wide skis with metal edges, usually of off-set steel. Designed for skiing in steep, icy terrain, with or without a pack, these skis are suited to experienced skiers with good technique as they are very unforgiving.

Skis for Telemarking or cross country downhill (XCD) are often confused with heavy touring skis, but are quite different, being constructed more like alpine skis. Telemarking skis are very heavy and strong with a soft, single camber and are designed with one job in mind, namely turning. They are not meant to be used for touring and would be very slow. You can easily identify a pair of Telemarking skis. They will have a smooth sole with no pattern, and a pair held sole to sole will require very little effort to flatten with one hand. Heavy touring skis are much harder to flatten as they have a double camber for efficient gliding on flat terrain. Telemarking skis should be used with very strong 75 millimetre bindings, preferably a model with a safety release, and stiff cross country downhill boots.

Before buying a pair of skis you need to think carefully about the kind of skiing you intend doing. Do you plan to use them on the groomed trails in resorts or on the Main Range and Mt Feathertop? It is silly to use heavy touring skis on prepared trails, or skis designed for day

Wild Gear Survey



'Technique is more important than equipment...'
Bill Bachman

touring on a five-day epic on the Main Range. Choose skis that were designed for the type of trip you plan. Are they to be your only pair of skis or your fifth? If these are to be your only pair and you wish to do a variety of skiing, it is best to stick to a general-purpose pair of touring skis. Should you be looking for your second, third or fourth pair, however, you should be looking at the more specialized models.

When choosing the make and model, you

should closely consider several variables. It is very important to remember that each of these parameters must be looked at as a part of the whole picture. If each is given due consideration, you should arrive at the best possible ski for your uses.

Width. A ski's width will tell you a lot about the purpose for which it was designed. Width will affect stability and flotation; the wider the ski, the more stable it is. If your technique is poor, go wider; when your balance and ability are good, you may be able to go narrower. Flotation is the ski's ability to 'float' on soft snow.

CLIMBINGGEARSLEEPINGBAGSMAPSBKSCROSSCOUNTRY
WALKINGBOOTSSTRAVELPACKSCROSSCOUNTRY
BUCKSACKSTENTSTHERMALWEARDAYPACKS
RSFREEZEDRIEDFOODCOMPASSESEYEWEARS

EQUIPMENT for the OUTDOORS



EQUIPMENT for the bushwalker, traveller, cross country skier and climber



For friendly, *personal* service and information come in and browse over our wide range of maps, books and magazines at 204 La Trobe Street, Melbourne (opposite Museum Station). Telephone (03) 662 3349.

Open 9 am-5.30 pm Monday-Thursday, 9 am-9 pm Friday, and 9 am-1 pm Saturday

OWEWILDCOUNTRYMACPACJANSSPORTSILVAC
LGONAAASOLOBUNYIPEDELRIDCLOGEUREKAM
ETERSTORMFAIRYDOWNROSSISCARPALASPO



You gotta have sole! Glenn Tempest

The wider a ski, the higher it will stay in soft snow or the greater the weight it will bear. If you are heavy for your height or wish to carry a heavy load, choose a wider ski. If you ski in cut tracks, a narrower ski will be faster.

Side-cut, or waisting, is the variation in width of a ski measured at different points along its length. The three points chosen are the shovel (the wide point just back from the tip), waist (mid point) and tail. These widths are traditionally given in millimetres in the order: shovel, waist, tail, for example 59/52/56. If a ski is widest at the shovel and narrowest at the waist (hourglass shaped), it will turn and track relatively well in soft snow: when the ski is weighted and edged, only one curved edge is in contact with the snow, so the ski turns. When the ski is flat, there are two curves in opposite directions in contact with the snow which tend to keep it running straight. It is possible for skis to have too much side-cut, especially for an unskilled skier. If skis have too much side-cut, they will tend to turn a little as the skier's ankles wobble. This results in a tendency for the skis to move about under the skier's feet, making them feel unstable. Skis with straight sides are best used in prepared trails.

Weight is an important consideration. The heavier a ski, the greater the effort required to move it around. Choose the lightest ski that will do the job, but be wary of a ski which is radically

lighter than all the others in its class. It is probably much more fragile than its peers.

Construction has a major effect upon weight. Fortunately, modern skis are well made and most people would be hard pressed to tell what type of ski construction they were using. The major constructions are:

Foam sandwich. A very common construction which consists of a layer of synthetic foam in between two layers of fibreglass. It is very easy to make and quite robust.

Wood sandwich. Like foam sandwich except that laminated wood replaces the foam. This construction tends to have the best 'feel', but the side walls may need some maintenance to protect the core from water damage.

Torsion box. Tends to be the strongest construction, especially if the core is wood. Fibreglass is wrapped around the core material.

Air core/honeycomb. An ultra-light and ultra-expensive construction, the core is composed mainly of air. These skis are fragile and must be treated with care.

Stiffness refers to the ski's resistance to flattening. It is important that your skis' stiffness is correct for your weight. If they are too soft they will be slow and 'twitchy'. If they are too stiff you will have trouble with grip and turning. Select a happy medium.

Flex describes how the skis bend as the forces of skiing are applied. Unless you know what you're doing, bending skis in the shop is about as much use as kicking tyres on a used

car. However, a useful bending routine for skis is to put the tail of one ski on a hard surface and then hold the shovel with your hand flat underneath it. Press down hard on the middle of the ski with your other hand while looking along one edge. The smoother the curve, the better the ski will turn. If it looks like three or four different curves fighting each other, it won't turn at all well. The next test is to hold the ski near the shovel with your hands one above the other. Counter-rotate your hands as though you were trying to wring the ski's neck. The greater the resistance to rotation, the better the ski's ability to carve turns. Another test is to put the ski's tail on the floor and steadily push down on the ski's upper surface. Watch the tail bend as you do this. If the tail is stiff and bends over a long, even radius, the ski will probably turn well. If, however, the tail bends easily and 'hinges' over a tight radius, it means the ski will tend to turn erratically as the tail suddenly bends and effectively shortens the ski. The resistance of the ski tip to upward bending will tell you something about its ability to stay in a track. If the tip is soft, it was probably designed for track work, as a soft tip resists the ski's natural desire to climb out of a track. It also helps if the tip curves up steeply. A stiff tip will tend to climb over anything it hits, which will help when skiing untracked terrain. A soft, wide tip will help a ski to float in deep, soft powder—only a minor worry in Australian crud! These help give an idea of how well a ski will perform, but until you actually use it, you will not know for certain.

Length should be chosen according to intended use. For general-purpose skis, the old method of measuring from the floor to the raised wrist applies. If the skis are for skating, they should probably be about ten centimetres shorter. Telemarking skis should be selected according to the radius of turn you wish to make: short skis for short radius, long skis for long, fast turns. Heavy people should choose slightly longer skis; light people, shorter ones.

Metal edges. There is a school of thought which believes everyone needs metal edges. I certainly do not subscribe to that view. Metal edges are very good on steep, icy traverses, if you have good edge control. The rest of the time, they can be a handicap. Edges will make your skis heavier and more exhausting, stiffer and less forgiving, much less grippy on hard snow, self-destructive (look at a pair of one-season-old metal-edged skis some time) and they can cause a ski to bend permanently (especially aluminium edges). If you spend lots of time on steep, icy slopes, buy metal-edged skis. If not, leave them alone.

One manufacturer, Karhu, is making a model with half-length steel edges in an attempt to avoid some of the disadvantages of metal edges. Time will tell whether this company is successful.

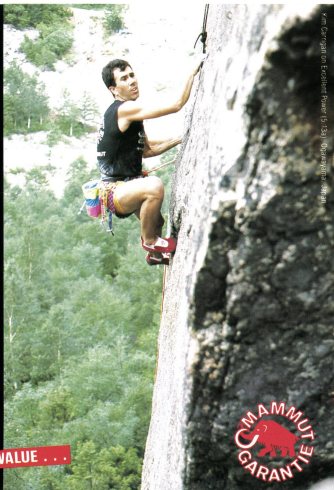
If you have metal edges and they are made of steel, make sure you look after them properly. They should be kept sharp and free of rust. You should also 'detune' them at the extreme ends of the skis—ask the staff in a specialist shop how to go about this.

Bases. There are many different types of waxless bases used on cross country skis. Each is claimed to be the best thing since the Therm-a-Rest! Basically, if a base or sole has been around for a while, it probably works. The safest bets are the patterned soles from the

QUALITY IS LIKE BUYING OATS

- If you want nice, clean, fresh oats, you must pay a fair price. However, if you can be satisfied with oats that have already been through the horse . . . that comes a little cheaper.
- When choosing your next climbing rope, remember what good value our fresh oats represent.
- The special qualities of MAMMUT ropes begin with the core, which is made of an extra-high energy absorbent nylon yarn, exclusive to MAMMUT. Abrasion resistant twines in Z- and S-twists are tightly braided to give a compact and tough, state-of-the-art sheath.
- All MAMMUT ropes exhibit an extraordinary strength-to-weight ratio. High security with less weight means greater freedom in the mountains and on rock. The firm yet supple texture of a MAMMUT rope ensures ease of coiling and handling, without resort to softness and its inherent failings.
- The MAMMUT logo stands for Swiss quality products manufactured using the latest technology, strict standards and constant inspection by qualified experts. It is your guarantee of the best climbing ropes, webbing, harnesses and slings on the market.
- Don't be satisfied with oats that have already been through the horse . . .

FOR PEAK SECURITY AND BEST VALUE . . .



Karl Grogan on Eichenstein Power 15 (3a) Guggenau, Austria

MAMMUT



OFTEN CHALLENGED NEVER SURPASSED



ULTRA MIX SKATING	SKATING MATRIX	ULTRA MIX RACING	RACING MATRIX	PANTHERA	SNOWFOX	GAZELLE	FALCON	CLASSIC	KODAK	XCD GT	XCD SUPREME	XCD EQUIP
Recreational skating	Competitive skating	Recreational diagonal striding	Competitive diagonal striding	Touring in prepared tracks	Touring in prepared	Light touring	Light touring	Light touring	Heavy touring	Heavy touring, downhill	Downhill, heavy touring	Telemark racing
44 mm	43/44	44	44	46	49-47-45	54-49-52	53-50-53	52	60-52-57	62-54-59	68-55-60	72-59-64
Various bases		Multigrade Plus (chemical) or wax or wax	Multigrade Plus (chemical) or wax or wax	Kinetic (step) or wax	Kinetic or Multigrade	Kinetic or wax	Kinetic or wax	Beardow (step) or wax	Kinetic or wax	Kinetic or wax	Wax	P-ten Electra

Ask for KARHU skis at good cross country ski shops. Distributed by Nordic Traders, 638 Waterdale Road, West Heidelberg, Victoria 3081. (03) 459 5111. Photo David Meitz

major manufacturers. Some ski soles are made of a sintered or hardened plastic material. These soles last longer than unsintered ones, but most people would not notice the difference. If your skis get a lot of use on hard or dirty snow, sintered bases may be worth while. All patterned soles make some noise on hard snow.

Breakage guarantee. Some skis come with a guarantee against breakage for either one or two years. When you buy a pair, check what the guarantee covers and what you may have to do to register your purchase. Most breakage guarantees will cover breakage caused by a manufacturing fault but not negligence or stupidity. If you back over the skis in the car park, that's your problem.

Cosmetics should never be used as a major selection criterion. If all else is equal, however, go ahead and buy the skis that match your eyes or your new ski outfit. If you want your skis to look good for as long as possible, a top sheet

made of ABS will be fairly tough. Polyethylene is probably the strongest material used on ski tops, but it doesn't usually look as good as the slick, glossy, 'go faster' cosmetics.

Buying or hiring? Once you have decided that you like cross country skiing and want to do a lot more of it, you are virtually throwing money away every time you hire equipment for your own use. Hiring is good if you have a child who skis occasionally and no one to pass gear on to. It is also a good idea for adults who only ski occasionally. One fallacy is that hiring lots of different skis early in your skiing career will help you find the ideal equipment. The problem is that until you have done a lot of skiing, you cannot pick the differences between models or, more importantly, how these differences relate to you. You will be very easily swayed by the snow conditions and the weather.

Maintenance. All soles require some maintenance. You should wax the tips and tails for glide before each trip to ensure smooth,

effortless skiing. The patterned area should be cleaned from time to time to get rid of accumulated gunk, and then sprayed lightly with silicon. It is also a good idea to check your binding screws with a screwdriver occasionally. If you own metal-edged skis or just like to keep your skis looking good, you can cover the tops with a plastic film. You can use either a purpose-made film or clear contact adhesive. The purpose-made films tend to do a better job, especially on metal-edged skis.

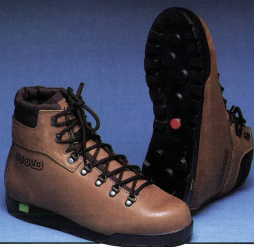
Finally, don't think that buying a new pair of super duper skis will make you ski better. It won't. Only lots of experience, practice and a few lessons will improve your skiing. Technique is more important than equipment. And remember, skis cannot work properly unless they are matched to appropriate boots and bindings. **W**

Dave Jones (see Contributors in Wild no 6) has worked in specialist outdoor shops for many years. His knowledge (and collection) of outdoor gear is renowned.

Wild Gear Survey Cross Country Skis

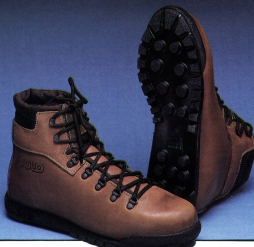
Intended use	Weight of 210 cm pair, grams	Width at shovel/waist/tail, millimetres	Lengths available, centimetres	Construction	Breakage guarantee	Sintered sole	Edges	Wax sole available	Approx price
Asnes Norway									
LT 48 QS	D	1,700	52/48/50	195-215 (5 cm increments)	Foam box	No	No	Yes	\$141
Marka QS	D/T	2,000	56/49/52	180, 190-215	Wood sandwich	No	No	Yes	\$145
Skiathlon wax	D/T	2,000	56/49/53	195-215	As above	No	Yes	Steel	\$366
Skarven QS	T	2,200	63/54/58	180, 190-215	As above	No	No	Yes	\$174
Sondre Telemark	HT	2,400	63/54/58	As above	As above	No	No	Steel	\$317
Fischer Austria									
Super Light Crown	D	1,350	47.5/47.5/47.5	180, 190-215	Air core	No	Yes	No	\$255
Fibre Crown	D	1,650	51/49/50	As above	Wood sandwich	No	Yes	No	\$190
Touring Crown	D/T	1,500	59/50/54	As above	Air core	No	Yes	No	\$315
Ultra Tour Crown	D	1,350	59/50/54	190-215	As above	No	Yes	No	\$365
Country Crown	T	2,000	59/50/57	180, 190-215	Wood sandwich	No	Yes	No	\$225
Europa 99 Crown	HT	2,300	65/55/60	190-215	As above	No	Yes	Steel	\$399
Jarvinen Finland									
Polar 48	D	1,650	48/48/48	180, 190-215	Wood sandwich	No	No	No	\$115
Polar 52	D	1,750	52/52/52	As above	As above	No	No	No	\$115
Viking	T	1,800	58/49/54	190-215	As above	No	Yes	No	\$165
318	D/T	1,650	55/50/52	180, 190-215	As above	No	Yes	No	\$155
Karhu Canada									
Classic	D	2,050	52/52/52	180, 190-215	Foam sandwich	Yes	No	Yes	\$140
Gazelle Kinetic	D/T	1,650	54/49/52	190-210	As above	Yes	No	No	\$265
Kodiak Kinetic	T/HT	2,200	60/52/57	180, 190-215	As above	Yes	No	Half, steel	\$299
XCD Kinetic	HT	2,300	62/54/59	As above	As above	Yes	No	Steel	\$346
Kreissal Austria									
Magic HC 52	D	1,800	52/48/50	180, 190-215	Foam sandwich	No	No	No	\$157
Magic HC 59	T	1,900	59/49/55	As above	As above	No	No	No	\$165
Landsem Norway									
1000 Glissade	T	2,000	62/53/57	180, 190-215	Wood box	Yes	No	No	\$271
Rosignol France									
Running AR	D	1,700	51/47/49	180, 190-215	Foam sandwich	No	No	No	\$140
US49 AR	T	1,900	59/49/54	As above	As above	No	No	Yes	\$184
TMS AR	HT	2,400	64/55/58	180, 190, 205, 210, 215	As above	No	No	Steel	\$298
Trak Austria									
Seefeld	D	1,900	50/47/49	180, 190-215	Foam sandwich	No	No	No	\$184
Convara	D	1,800	52/49/51	As above	As above	No	No	No	\$165
Sportive Rental	D/T	2,050	55/50/52	As above	As above	No	No	No	\$154
Nordic Tour	T	2,050	55/52/54	180, 190, 200, 210	As above	No	No	Aluminium	\$284
Tua/Chouinard Italy									
Tout Terrain wax	HT	2,750	65/55/58	190, 200, 205, 210	Honeycomb/wood sandwich	No	No	Steel	\$475

HORIZON S



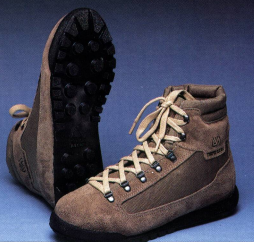
Top of the range in sophisticated bushwalking boots.

HORIZON K



All the exciting features of Horizon-S but without the Sorbothane Sole System.

SUPERSCOUT



The standard by which all other leather/fabric boots are measured.

**You won't find a better bushwalking boot anywhere.
Treat yourself to the Asolo experience...**

Padded **Cordura Dupont®** collar is abrasion and tear resistant.

Strong, water resistant, one-piece steerhide leather uppers.

Asolo brand copper hooks and D-Rings.

New **wider last shape** for Australasian markets.

Toe reinforcement.

Cambrelle® lining anatomical foot bed.

Pirelli® slick mix rubber soles for sure and steady hold.



Exclusive **Sorbothane®** Sole System for ultimate shock protection.

Asoflex® patented nylon insole stitched to the upper from inside.
Asoflex® offers supreme stability and protection on rough terrain. Appropriate flex and steel shank adjustment for each size means maximum comfort and less break-in time.

ASOLO®

TECHNICAL EXCELLENCE IN OUTDOOR FOOTWEAR

Sizes: 3-13 including 1/2 sizes.

**ASOLO QUALITY WALKING BOOTS ARE AVAILABLE AT SELECTED OUTDOOR STORES
PHONE (02) 680-2583 OR WRITE P.O. BOX 6, CASTLE HILL 2154, N.S.W. FOR DETAILS**

Bush Guidebooks

Excellent new track notes

Reviews



Superb relief collage by Jeannie Baker, reproduced from Where the Forest Meets the Sea.

Where the Forest Meets the Sea by Jeannie Baker (Julia MacRae Books, 1987, RRP \$14.95).

Although written for five- to eight-year-olds, few people, children or adults, could read this important book without feeling deep concern for the future of the remaining 120,000 hectares of the Daintree rainforest.

A young boy shares a beautiful experience with his father where the wet tropical rainforest meets the sea on the Great Barrier Reef, a remote and undisturbed part of the forest, accessible only by boat. Through the young boy's enjoyment and appreciation of the significance of this unique and ancient place, we are reminded of the importance of preserving such areas, where close encounters with the natural world are possible.

The story is superbly illustrated with reproductions of intricate relief collages constructed, by the author, from a variety of interesting materials. In several cases these illustrations cover double-page spreads, the final one skilfully superimposing a 'civilization'—roads, cars, swimming pool, high-rise hotels—on the forest,

and leaving the reader with the child's question, 'But will the forest still be here when we come back?'

Everyone, young and old, should read, or have read to them, this book. The answer to the question posed is in our hands.

Sue Baxter

Bushwalking in Australia by John and Monica Chapman (Lonely Planet, 1988, RRP \$12.95).

Well known to bushwalkers in general and *Wild* readers in particular, John and Monica Chapman (see their article in this issue), are two of Australia's most travelled bushwalkers and most widely-read track note writers. Based in the same Melbourne suburb as *Wild*, Lonely Planet is internationally renowned for its outstanding travel guides. This combination of authors and publisher might be expected to 'deliver the goods' with the publication of the first major collection of track notes to Australia's best bushwalks—and it has.

Published to the very successful and well known Lonely Planet formula, *Bushwalking in Australia* is a thorough, comprehensive and extremely workmanlike publication. Designed as a working reference rather than a coffee-table publication, it is likely to

do the job well. The information appears to be accurate. Certainly, it is well arranged and the introductory material is particularly helpful. Whilst it is written very much with the overseas visitor in mind, it will be found equally valuable to Australian walkers. There is an unusually large amount of useful information, references and addresses which seem to be up to date, relevant and accurate. A table of the 23 walks described provides an excellent summary of their characteristics. For 'how to do it' instruction, the introductory material is bettered by only a few specialist instructional texts.

Throughout, the emphasis is on the practical. Clear, detailed and professional-looking maps supplement each walk description. The route descriptions are in a style similar to those published in *Wild*, with an equal amount of detail. Aesthetics are not neglected, however, and the text is generously supplemented with good colour photos and a sprinkling of whimsical line-drawings.

If you plan to go bushwalking other than in your own State for a change, and want to pick the eyes out of the other States, then a good place to start is with *Bushwalking in Australia*.

Chris Baxter

V
I
S
I
T

KASHMIR LADAKH^{and}



Garry Weare/World Expeditions

TWO OF THE MOST DIVERSE PLACES ON EARTH

KASHMIR with its lush green mountain valleys and
LADAKH with its stark lunar landscape.

*Over the last 12 years many Australians have enjoyed our holidays in Kashmir and Ladakh.
World Expeditions invites you to JOIN US this season.*

"I thoroughly enjoyed my trek.
Kashmir/Ladakh are beautiful places and
the people are really lovely.
I could spend a lot of time feeling as
alive and as happy as I did trekking in the
Kashmiri mountains. Our local guides
made our Zaskar trip outstanding."

Stephanie Roberts, Trans Zaskar.

"My husband and I felt the trek was a
wonderful experience and
an extremely rewarding challenge.
We had complete confidence at all times
in our trekking crew who
tirelessly cared for us through
this grand trek."

Ann Connors, Himalayan Traverse.

"I had an absolutely wonderful time!
The holiday exceeded all
my expectations -
the trekking crew,
down to the last ponyman,
went out of their way to make life
comfortable."

Caroline Masters, Kashmir/Ladakh Panorama.

For a FREE World Expeditions 64 page colour brochure and details of our exciting film shows, contact the Government of India Tourist office,
call us direct, or send in the coupon.

Enjoy the adventure of being alive!



WORLD EXPEDITIONS

SYDNEY 377 Sussex Street, Sydney, NSW 2000. Tel: (02) 264 3366

BRISBANE 6th Floor, Perry House, 131 Elizabeth Street, Brisbane, QLD 4000. Tel: (07) 229 5355

MELBOURNE Wellesley House, 126 Wellington Parade, East Melbourne, VIC 3002. Tel: (03) 419 2333

Please rush me your FREE 64 page colour brochure of adventure holidays worldwide.

_____ Name

_____ Address

_____ Postcode

_____ Telephone



Above. Genoa River Gorge. **Right.** Tingaringy Falls. Both photos by Grant Da Costa, reproduced from *Car Touring & Bush Walking in East Gippsland*.

Car Touring & Bush Walking in East Gippsland

by Grant Da Costa (Australian Conservation Foundation, 1988, RRP \$16.95).
East Gippsland is extremely attractively produced and comprehensive—which is evident almost as soon as you pick up a copy. Entirely produced in Australia, it is well designed and crisply printed on good paper. The colour photos (mostly by the author) are distributed throughout the text and are uncommonly attractive and well reproduced. The numerous maps are consistently drawn and comprehensible. At first the referencing system takes a bit of getting used to, but it's nothing if not comprehensive. (For the purposes of this book, 'East Gippsland' describes that part of Victoria lying east of the Snowy River.)

Five chapters describe car tours and nine describe walks, each chapter covering different regions. The walks described are generally of one or two days' duration and cover some of the most attractive country in the State, including the Little River Gorge, the Errinundra Plateau and the Croajingolong National Park (see the Track Notes in this issue). The descriptions are brief, but appear adequate and well researched. Certainly, *East Gippsland* is thorough and Da Costa gives every indication of knowing his stuff. Much of this region is still relatively unknown to bushwalkers—*East Gippsland* provides an excellent opportunity to redress that.

CB

Cattlemen & Huts of the High Plains

by Harry Stephenson (Viking O'Neil, facsimile paperback edition 1988, RRP \$19.95).
Harry Stephenson's eclectic and anecdotal celebration of early European life in the Australian Alps is highly prized by both rural and suburban 'bushmen' alike. The book, and the home-grown style publication of its earlier editions (see review in *Wild no 1*), reflects in both form and content the rough charm, eccentric character and ingenuity of its subjects.

Huts and history are the focal points of



bushwalking and ski touring for some people. *Cattlemen* is so crammed with ideas for trips to forgotten corners of the high country that Stephenson could well have written it with such people in mind.

This edition makes hours of good reading available to those who missed earlier editions.

Michael Collier

New South Wales Rainforests: The Nomination for the World Heritage List

by Paul Adam (NSW National Parks & Wildlife Service, 1987, RRP \$19.95).
One of the many benefits of World Heritage listing is the amount of research which goes into a nomination. Until nomination, information on the rainforests of New South Wales was scattered through a welter of obscure publications. Now it has been brought together in a publication covering just

DRY BAGS

You
Can
Count
On

- 1 Dry Bags come in four styles, five sizes, in bright colors or translucent for worry-free canoeing, kayaking, Li-Loing, rafting and anywhere that dampness threatens.
- 2 Rugged, PVC-coated fabrics and precise RF welded seams ensure long-lasting protection.
- 3 Easy-fold, snap and lock closures keep gear dry.

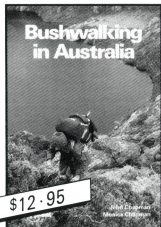
You can count on Cascade Designs Dry Bags

For details write to
Grant Minervini
Agencies Pty Ltd.
PO Box 209, Welland
South Australia 5007.
Phone (08) 46 6061

©1988 Cascade Designs Inc.

Cascade Designs™

You'll wear out your boots before you finish the book!



Bushwalking in Australia

\$12.95

For more information on the Lonely Planet trekking series (India, Nepal, New Zealand) contact Lonely Planet, PO Box 88, South Yarra, 3141 Tel: (03)429 5100.

lonely planet

Bushwalking in Australia - with 23 classic walks

Stage-by-stage descriptions of the best walks in the country, including:

WILPENA POUND
FRASER ISLAND
CRADLE MOUNTAIN
STIRLING RANGES

Background information for every walk:

DIFFICULTY
EQUIPMENT
PERMITS
ACCESS
FEATURES
MAPS
CLIMATE

WOW! The Fancy Pants Shop IS NOW OPEN!

20 Bellerive Ave, Mt Waverley 3149
Tel. 543 5253

- Monday to Friday 9am to 5pm
- Saturday 9am to 12noon

Fancy Pants makes the wildest, craziest climbing pants. Come and see our huge range.

Fancy Pants also makes a full range of Aerobic Wear, Running Shorts and Triathlon Gear.

Fancy Pants are still available at our usual outlets — Call for your nearest stockist.

Trade enquiries welcome.

The very Best Cross Country Skier.™

HE'S NOT A HAPPY BOY. SEE THE LOOK OF RAGE ON HIS FACE! NOW CAN THIS BE! HASN'T HE JUST SPENT QUITE A LOT OF MONEY ON XC SKIING GEAR? ISN'T XC SKIING MEANT TO BE FUN? (SINCE YOU CAN TURN.) SURE HE DIDN'T BUY THE BEST GEAR. HE DIDN'T BUY GEAR THAT'S BEEN TESTED BY THE PEOPLE THAT SELL IT. HIS TENT HAS CARBON CHAMBERS PRINTED ON THE OZ PRIMER COTTON/RESEAL FABRIC. NOT SO MUCH A "SHINY TENT" AS A "HOT TENT".

THIS DOESN'T MEAN THE OSTRICH FEATHER LACE SLEEPING BAG WITH A TEMPERATURE RATING OF 17° CELSIUS. AND THE EL BONGALI FEATHER "NEELYWAW" SKI JACKET. MADE TO MEASURE BY KALAMARI DESERT CRAFTSMEN. NOT QUITE THE SAME AS OUR SUPERDOME GEAR. DUE TO LACK OF INSULATION THIS GEAR HAS BEEN LOCKED IN THIS POSITION.

HE TRIED THE SELF-DEGRATING SLEEPING SLAB. ITS GOOD CARBO-VACUUM DEVICES SO YOU CAN GET YOUR EXERCISE INSTEAD OF SLEEPING IN LUXURY ON ONE OF OUR THERMA-REXIS. THE ULTIMATE SLEEPING MAT?

THE DEARER "ECONOCOMPASS" MUCH CHEAPER THAN OUR RANGE OF RELIABLE SILVA COMPASSES. THIS RUBIOUS ITEM USES THE OLD SUN DIAL METHOD. SURE IT DOESN'T QUITE PERFORM DURING WHITE-OUTS OR WHEN OVERCAST. BUT ITS GREAT FOR SCRAMBLING THE WAY OFF YOUR MICA SLICE. COMES WITH EASY TO USE INSTRUCTIONS.

HANDIFIN BEANIE TOO GOOD FOR HIM. BUT ITS A SHOWER CAP FILLED WITH TISSUES! ITS NOT EVEN A FAIRLIE PATITARI HAS HEAT RETENTION PROPERTIES OF DRIED PILCHARD.

ON DEAR! I LOOK AT THE PACK. YES, IT'S AN ORIGINAL \$4 LATTYAN "SNOW" PACK MADE OUT OF 2 MICRON ZIP-START N'TION. WHY DIDN'T HE CHOOSE ONE OF OUR SUPERB PACKS? WE HAVE A PACK FOR EVERY BACK. WITH SPECIAL ONE-WAY ZIP.

THE "HOB" "SNOW" IS SEEMED TO MEAN "SAVES NOTHING, ONLY WEIGHT".

WHY SPEND MONEY ON THERMAL UNDERWEAR? NO! 6 STAPLED ELOTTING PADS WORK! WHAT? IT'S NOT THAT MATTER, THAT 2.5 KILOS OF PERSPIRATION HAS FROZEN TO HIS LOWER TORSO.

BREASTBAG GAITERS GOOD FOR KEEPING FROZEN BUNDS.

WHY DIDN'T HE TRY OUT OUR RANGE OF REAL MITS AND GLOVES? SNAP FROZEN SHIN. ONE DON'T STOK THIS ITEM!

MAYBE ITS THE SOPHISTICATED "KANDALL" BRAND SOUVS THATS MADE HIM LESS THAN HAPPY. SURE, ITS NOT THE WORLDS FINEST LIKE THE KGB BY MSR. BUT IT DOES COME IN A DRIPLESS MODEL. (AS SHOWN) THE ONLY PROBLEM IS IT DOESN'T IS ALSO "UNLIGHTABLE". SIX GOLD MEALS (RAW) AND ALL HIS MATCHES LATER, HE MAY THINK ABOUT THE MIGHTY MSR.

UNCONTROLLED WINDERS

FREEZING!

REAL FISH SCALES

KEYRING TUB. ONLY GOOD FOR BEING KEYS TOGETHER

OVERCOME UNUSUAL

For the best in outdoor equipment come to *wildsports*.

From clothing to packs to boots to bindings to stoves.

All the best gear with the best service.

- Petzl Ski Bindings
- Mendi Telemark Boots (made to fit Australian feet)
- Tents and Goretex Parkas
- Milar covered 700 loft sleeping bags
- Wilderness Eupho hooped bivvy bag
- Thermal Underwear, MSR Stoves
- Petzl Zoom & Micro Headlamps

Drop In and see us or try out our unequalled Mailorder Service.

wildsports

327 Sussex Street, Sydney 2000
Mail orders to PO Box Q302, Queen Victoria Bldg, 2000
Telephone (24 hours) (02) 264 2095

Please rush me your latest catalogue

Name _____

Address _____

Postcode _____

A NEW COMPACT COMPASS FOR QUICK AND SURE DIRECTION FINDING

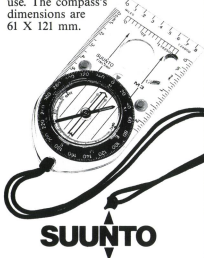
The M-3

boasts both elegant design and performance features that place it solidly in the elite class.

This ergonomically designed compass is intended for racing and training and can also be used by schools and scouts. The features that make it so outstanding include an anatomically designed transparent baseplate with rounded lower edges and lipped upper edges, in addition to rubber pads to keep the compass from slipping on the map. There are two holes (one triangular and one round) for control marking and a lens for fourfold magnification, in addition to direction-of-travel arrows.

The capsule is the same as in the Suunto MC-1 and, thanks to the unique bearing mechanism, dirt that may have lodged is discarded when the capsule rotates. The M-3 is also available with a declination correction scale (M-3 D).

Luminous marks facilitate night use. The compass's dimensions are 61 X 121 mm.



SUUNTO
SUUNTO Compasses are
proudly distributed by
OUTDOOR SURVIVAL Pty Ltd,
6 Dunn Crescent, Dandenong, Victoria 3175
Phone (03) 793 4288, Fax 794 0750

about anything you may want to know about these forests: location, cultural history, ecology, scenic value and why they are considered of such international importance. For anyone visiting the New South Wales rainforests, this book will add immeasurably to their understanding and appreciation.

Stephen Garnett

100 Walks in New South Wales by Tyrone Thomas (Hill of Content, third edition 1988, RRP \$12.95).

Tyrone Thomas's book of track notes on walks in New South Wales was last subjected to significant revision in 1983. The walks described cover many of the more popular walking areas in the State, with emphasis on easy walks suitable for novices.

Having purchased a copy of the first edition of this book early in my bushwalking career, I was interested to see what changes had been made. I found that several walk suggestions had been removed from the book and replaced. Trips near the Newnes and Macleay gorges have been deleted and Lord Howe Island, Sydney Harbour and Mt Warning are now covered. The sole-destroying bush along the Narrow Neck Road, south of Katoomba, has also been deleted from the 'top of the pops'.

The maps are now located near their respective walk descriptions, making the book easier to use. An attempt has been made to make the maps easier to read by highlighting routes in white against a dark grey background, but this approach doesn't succeed. Likewise, the attempt to break up the text with Thomas's amateurish drawings fails, particularly as they seldom bear any relation to the text.

The route descriptions are accurate and point out the navigational pitfalls which may create problems for the inexperienced. Unfortunately, the book refers to a number of cairns and markers which, in the interests of wilderness preservation, have since been removed.

From a botanist's viewpoint, I think Thomas should stick to describing the track; I have yet to find rainforest in Glenbrook Creek proper. Perhaps he should seek outside advice when next revising the book.

I also believe he should further emphasize the need for walkers to protect the areas they visit. He doesn't mention the ban on campfires in Royal National Park nor that camping is no longer permitted in the catchments of the glacial lakes of Kosciuszko National Park.

Despite these problems, I feel that the book is a valuable guide for beginners and for those unfamiliar with the areas covered. Thomas should also be commended for avoiding the description of walks in remote areas not presently covered by track notes. I recommend this book to those new to bushwalking in New South Wales, with the proviso that they ignore the information on footwear and wear sandshoes.

Roger Lembit

Save the Birds by Anthony Diamond, Rudolf Schreiber, David Attenborough, Ian Prest (Royal Society for the Protection of Birds/Cambridge University Press, 1987, RRP \$30).

The cover is glossy and the format large but, for once, that does not imply the contents are not worth reading. This is an important book, recommended to anyone interested in a global perspective of conservation. Birds are a conservation flagship for the rest of the natural world. Colourful, endearing and frighteningly vulnerable to pollution, the fate of birds reflects the fate of us all.

The book is arranged by habitat—a review of present trends, then vignettes of how selected bird

species are responding to the changes. Some do very nicely. It is too easy to be biased about the brilliance of our rosellas because they remain abundant despite our agriculture. Many species, however, are less adaptable and nothing in their evolutionary history has prepared them for pesticides, shotguns or forests lacking trees over 50 years old. Of all the causes of avian decline, habitat destruction is the most important, and from the pictures included in this book—and they are brilliant, evocative pictures—Australia is fortunate indeed to have so much protected under World Heritage legislation.

SG

Harder than Everest A one-hour documentary film by Tim Macartney-Snape (VHS or Beta video, Film Australia, 1988, RRP \$49.95).

The significance and proportions of mountaineering achievements are not easily shared or comprehended by non-mountaineers. Mountaineering literature and films are the closest most of us will get to a Himalayan summit.

Harder than Everest is a documentary account of the first ascent of the North-west Ridge of Gasherbrum IV by Greg Child, Tom Hall-Hargis and Tim Macartney-Snape (see *Wild* no 22). Inevitably, filming was a low priority during the difficult climbing and during moments of greatest risk and stress—when survival is a preoccupation. Because of this casual, rambling nature and lack of dramatic footage, this film is unlikely to entertain either the initiated or the masses.

MC

The Alps in Flower by I R McCann (Victorian National Parks Association, 1987, RRP \$9.95).

The smell hit me first. A great draft of sweetness wandering across the alps, slipping between the tussocks, tickling the tips of the daisies. I traced it eventually, having exhausted my nose's ability to smell, to a tiny patch of pink lilies nestling into the banks of a soak. At last I know their names—sky lilies, a charming flower we share with the alps of New Zealand.

I found its name in a delightful book by Ian McCann, brought out by the Victorian National Parks Association and simply showing photographs of just about every Australian alpine flower. Only 64 pages long, with four photographs a page, it slips easily into a back pocket—well worth lugging to the mountain tops. Sadly, some of the previously widespread flowers can be seen only in the Mt Kosciuszko region. The cows have eaten most of them in Victoria.

SG

Where to Find Birds in Australia by John Bransbury (Century Hutchinson, 1987, RRP \$35).

Birds are a flagship for the natural environment. The best places to find Australia's native birds are where the environment is least disturbed, so a guide to good bird-watching sites is also a guide to attractive countryside. Of course, most of the book lists birds likely to be found in the areas described, but there is also much information on how to get there, where to obtain permits (if necessary) and the facilities available. A useful companion for bird watchers, it should also help others in their travels.

SG

Other Title Received

Free: The End of the Human Condition by Jeremy Griffith (Centre for Humanity's Adulthood, 1988, RRP \$12).

Publications for possible review are welcome. Send them to the Editor, *Wild*, PO Box 415, Prahran, Victoria 3181.

At -5° celsius, everything in this wet sleeping bag froze, except the occupant.



One of the problems with down-filled sleeping bags is that although they can easily be shaken down to vary the temperature, they lose their insulation once they get wet.

But Roman Wilderness 4 Seasons sleeping bags are filled with a new product that can be re-distributed like down, yet still retains warmth and insulation in wet, cold conditions.

It's called Dacron® Comforel® and it consists of thousands of tiny, lightweight fluffy balls that act very much like down, while being non-allergenic, washable, quick-drying and highly compactable.

In fact when we tested the bags wet, at -5° celsius, the occupant was warm, comfortable and slept well despite the fact that excess water on the outer shell of the bag had completely frozen.

Roman Wilderness 4 Seasons sleeping bags. All these advantages but at a lower price than either feather or down.

MODEL & TEMPERATURE RATING ROMAN WILDERNESS 4 SEASONS	SIZE EXC. HOOD CM.	FILLING WEIGHT	STUFF SAC SIZE CMS	STUFF SAC CAPACITY
-5° C	75 x 191	750 gms	18 x 36	9.2 litres
-5° C WITH HOOD	75 x 191	750 gms	18 x 36	9.2 litres
-5° C WITH HOOD LARGE	85 x 215	975 gms	22 x 38	14.5 litres
-10° C WITH HOOD LONG	75 x 205	1000 gms	19 x 37	11.0 litres
-10° C	75 x 191	1000 gms	19 x 37	11.0 litres
-10° C WITH HOOD	75 x 191	1000 gms	19 x 37	11.0 litres
-10° C WITH HOOD LARGE	85 x 215	1300 gms	22 x 38	14.5 litres

All bags are rectangular tapered. Only Du Pont makes Dacron® Comforel®. ® = Du Pont Registered Trademark

ROMAN
SLEEPING BAGS

DuPont
Dacron®
Comforel

DPT 1067 Y&R MELB

Bivvy Bags

Gear you can really get in to

Equipment

● **In the Bag.** There comes a time in the life of many an outdoor adventurer, long accustomed to carrying a tent on every overnight trip (and to leaving it behind if out for just one day), when the question 'Tent or no tent?' requires a third answer. On a day's outing in winter, the weight of a tent usually prohibits its inclusion in the pack, while to travel without any form of portable shelter can be risky, especially for a large party. Longer winter trips may involve extended periods in snow caves, igloos or tents, all damp and humid environments; sleeping bags can lose loft and effectiveness after even one night's exposure to floors and walls damp from condensation or thaw. At other times of the year, whether on a short foray into the high country or enjoying a lightweight ramble in the lowlands, shelter is essential, yet a tent may be inappropriate.

A convenient alternative and a sensible supplement to more traditional forms of accommodation is a bivvy bag, an envelope of waterproof fabric big enough for one person in a sleeping bag—and usually not much more. On its own, a bivvy bag won't keep out the worst weather, particularly rain, for very long. A simpler and cheaper alternative, which is quite adequate in some cases, is a fly sheet which can be rigged between trees to keep off showers. Another option worth considering in winter—if you own a tent whose outer skin can be pitched without the inner—is to carry bivvy bags instead of the inner tent. In this way, good cover is available at all times and there is little unnecessary weight to carry if snow shelters are used. In addition, the outer skins of some free-standing tents will accommodate three people in bivvy bags, while the inner tent has room for only two.

There are times when a bivvy bag, a snow shovel and a sound knowledge of the



Not your average bivvy bag! David Noble

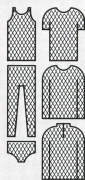
Bivvy Bags

Measured weight, grams	Measured size, length x width at entrance x width at foot, centimetres	Entrance zip(s), number + number of sliders	Approx price
Fairydown New Zealand			
390	232 x 85 x 67	—	\$115
J&H Australia			
550	238 x 83 x 39	2 + 2	\$250
Kathmandu New Zealand			
550	205 x 90 x 42	1 + 1	\$185
Macpac New Zealand			
Cocoon 460	210 x 80 x 40	1 + 1	\$235
Mont-Bell Japan			
450	220 x 83 x 33	—	\$250
Mountain Designs Australia			
500	200 x 85 x 45	2 + 2	\$259
Paddy Pallin Australia			
950	230 x 100 x 86	2 + 2	\$239
Wilderness Equipment Australia			
Bivv Sac 480	205 x 72 x 55	1 + 2	\$230
Dart 970	235 x 70 x 50	1 + 2, 2 + 1	\$399

construction of snow shelters are all that are needed to ensure a safe and comfortable abode in the snow. However, the success of such a

combination is heavily dependent on favourable weather. Rain, the deadly enemy of snow shelters and bivvy bags, is a common companion of snow camping in Australia. The dry cold most suitable for bivouacking is con-

BREAK THE SWEAT BARRIER. IT'S EASY WITH BRYNJE!



Brynje® Thermo-Mesh sports underwear ventilates while you are active and insulates while you rest. On the move, air circulates through the open mesh, dissipating perspiration and stabilizing your body temperature. When resting, the Brynje body-net holds in the heat with an insulating web of warmth. Made from Meraklon® polypropylene fibres, Brynje Thermo-Mesh is soft,

supple, close-fitting, fast-drying and odour-free. Stay dry no matter how hard you work. Stay warm no matter how cold the weather. Brynje Thermo-Mesh, the 'thinking thermal' with the perfect fit.

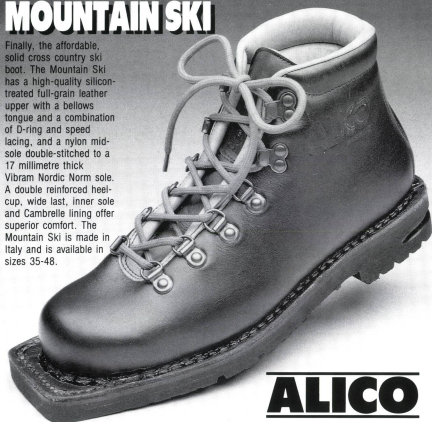


AVAILABLE AT MOST LEADING SPECIALIST OUTDOOR SHOPS

Trade enquiries: Richards McCallum Pty Ltd, PO Box 14, Abbotsford, Victoria 3067. Phone (03) 419 4211.

MOUNTAIN SKI

Finally, the affordable, solid cross country ski boot. The Mountain Ski has a high-quality silicon-treated full-grain leather upper with a bellows tongue and a combination of D-ring and speed lacing, and a nylon mid-sole double-stitched to a 17 millimetre thick Vibram Nordic Norm sole. A double reinforced heel-cup, wide last, inner sole and Cambrelle lining offer superior comfort. The Mountain Ski is made in Italy and is available in sizes 35-48.



ALICO

AVAILABLE AT SPECIALIZED SKI SHOPS

*There's more to
bushwalking than
meets the eye . . .*



. . . and there is more to the environment than trees and rivers.

Chain Reaction is the national magazine of Friends of the Earth Australia and deals with a wide range of issues such as technology, energy and education, as well as forestry, mining and disarmament. If you want to know more about your environment, read **Chain Reaction**.

Please send me the next six issues of **Chain Reaction**. I enclose \$16/\$12 (low income people).

Name

Address

P'code

Make cheques etc., payable to Chain Reaction Co-op Ltd. Please forward to Chain Reaction, GPO Box 530E, Melbourne, 3001.



"The most reliable
flashlights in the world."



TEKNA-LITE™
2AA

**WITH BATTERY
LIFE INDICATOR**



- Know at a glance how much life's left in your batteries:
BLI REMAINING LIFE
Green 100-50%
Yellow 50-25%
Red 25-0%
- Brilliant, adjustable spot-to-flood beam
- Forged from space-age hi-impact resins
- Half the weight of metal lights and never corrodes
- Completely waterproof — never leaks
- Operates on 2 "AA" alkaline batteries (not included)
- Lifetime warranty

MADE IN THE USA

Proudly distributed by
OUTDOOR SURVIVAL Pty Ltd.
6 Dunn Crescent, Gannamang, Victoria 3175
Phone (03) 793 4288. Fax 794 0750

Equipment

sistently found on the higher ranges elsewhere in the world. Consequently, bivvy bags are most often relied upon to keep out the elements when skiing or mountaineering on those higher ranges.

Not all bivvy bags are created equal; significant variations are possible in several aspects of their design. If you seriously hope to keep out snow—and even rain—while remaining dry inside, you should consider the way the entrance to the bag is closed. A common method is to use two zippers; one to close the outer layer of the bag completely and the other to close a panel of insect-proof netting linking the outer layer each side of the opening but allowing some ventilation. In some bags, these zippers are operated with one slider; others use two. In either instance, to avoid asphyxiation and minimize condensation within the bag, a small aperture can be left through which to breathe. With two sliders, this aperture can be positioned anywhere along the length of the zipper; with one slider, it is limited to one end. The *Kathmandu* and *Macpac* bags use a single zipper to close the panel of netting; on the former, a draw-cord closes the bag. The *Mont-Bell* and *Fairdown* bags are described as sleeping bag covers and have neither zippers nor insect-proof netting. The *Mont-Bell* closes with a draw-cord in much the same way as most sleeping bags. The *Fairdown* has a flap of nylon material, not unlike a pillow case, which can be secured by several touch-tape tabs. The *Wilderness Equipment Dart* has a third zipper, extending 100 centimetres down one side, greatly increasing the size of the entrance to the bag. The *Wilderness Equipment Bivi Sac* has a single zipper around the perimeter, extending a short distance down one side and about half-way down the other, giving a similarly large entrance. Some zippers are protected against water and wind by a fabric flap.

All but one of the bags included in the table have a top surface of three-layer Gore-Tex, ranging from a very light ripstop laminate with furry yellow backing to a more substantial Taslan with tricot backing, akin to the fabric used in Gore-Tex rainwear. The exception is the *Fairdown* sleeping bag cover which has a top panel of nylon Entrant. It is common practice to economize on the base of the bag by using a coated nylon material instead of Gore-Tex, since the ability of the fabric to transmit water vapour is limited by the ground, or the snow, or the insulating mat beneath. Some manufacturers offer bags made entirely from Gore-Tex, with a small increase in weight and a significant increase in cost. (The *Mont-Bell* is entirely Gore-Tex.) All bags surveyed had seams tape-sealed during manufacture.

Several of the bags depart, to some extent, from the standard format. The *Fairdown* and *Mont-Bell* sleeping bag covers and the *Wilderness Equipment Bivi Sac* have been described already. The *Paddy Pallin* bag is large enough to accommodate one person and a rucksack, or a hypothermia victim plus one or two additional people as a source of warmth. The *Wilderness Equipment Dart* is provided with a three-section, shock-corded, curved aluminium alloy hood and four tent stakes and has four loops, one at each corner, by which it can be pegged out to form, in effect, a very small tent, 45 centimetres high at the hoop.

Measured weights are given in grams and include the stuff sack which is provided with

all bags, except the *Fairdown*. The figures given under the heading **Entrance zips** indicate the number of zips and the number of sliders on each zip. Weights and approximate prices are for a bag of the size stated, manufactured in Gore-Tex and nylon (except for the *Fairdown* and *Mont-Bell* bags). Weights and prices for extra-long bags and full Gore-Tex bags, if available, have not been included.

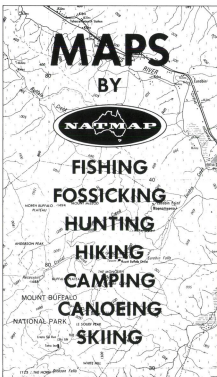
• **Keeping it Simple.** Adjustment technology is certainly kept to a minimum on the *Alpine Expedition*, a new rucksack from West Australian manufacturer, *Wilderness Equipment*. A range of four sizes caters for wearers varying in height by up to 30 centimetres, while differing waistlines call for three sizes of interchangeable hip-belts. Once a frame and belt of the appropriate sizes are selected and screwed together, minor adjustments can be made to the position of the harness by means of a 50 millimetre wide touch-tape strip, which connects the shoulder straps to the body of the rucksack. As the name suggests, this pack has attachment points for equipment such as ice tools and crampons and optional pockets. It is made from canvas, reinforced with Cordura at the base and on the crampon patch. The medium size has a stated capacity of 75-80 litres and weighs two kilograms. RRP \$200.

• **Two New Ice Climbs in Western Australia?** Isoclimes[®] is the name given by *Wilderness Equipment* to its range of Gore-Tex rain-shells, which comprises two three-quarter-length and two shorter front-zip parkas and one pullover-style shell.

The *Isoclime 20* is a short, stylish parka made from lined two-layer Gore-Tex with a chest pocket for maps, accessible from outside the front-opening zipper. It has two cargo pockets with room behind for hands. The *Isoclime Zero* is an even shorter pullover-shell with side zips, from the armpit to the waist, for ventilation and one large pocket in front. Both garments have secreted in their high collar an exceptionally roomy, wire-stiffened hood and feature long raglan sleeves, closed with touch-tape tabs at the cuffs. *Isoclime 20* RRP \$317. *Isoclime Zero* RRP \$256.

• **Light of My Life.** When packing for a trip, have you ever looked at your torch and wondered how long its batteries would last and thrown away a set that may have gone the distance—or kept them and been left in the dark? The latest torch from Tekna will tell you at a glance how much life is left in batteries, thanks to a micro-chip and three LEDs built into the casing. A green light indicates at least half the battery life remains; a red light, less than one-quarter. A yellow light leaves you in the same old spot: with 25-50% of battery life remaining—do you take them or leave them? The *Tekna-Lite BLI* is distributed by *Outdoor Survival* and operates with two AA batteries. In the usual Tekna fashion, it is highly resistant to knocks, drops and dunkings. It weighs around 30 grams, without batteries, and costs about \$38.

• **Off the Endangered List?** Another heavy-duty cross country ski boot for under \$200 is being imported this year by the *Interreck* group of shops. Leather lined, with a single-piece full-



NATMAP, P.O. BOX 31,
BELCONNEN, A.C.T. 2616.

Please send brochures on comprehensive range of maps and the address of my nearest stockist.

Name

Address



Nutritious, Delicious and Hassle-free...

Giant Trees use only the best freeze-dried and dehydrated ingredients available, to bring you highly nutritious and great-tasting meals. Next time you go bush enjoy the Giant Trees delicious recipes, generous serves and hassle-free preparation.

- Giant Trees Menu**
- Beef Goulash
 - Beef Stew
 - Chicken Casserole
 - Chicken Hawaiian
 - Lamb and Vegetables

Manufactured by Giant Trees Foods, Factory 9, 27-9 Shearson Crescent, Monrovia, Victoria 3104. Telephone (03) 584 5062.
 Distributed by Peter Storm (Australia) Pty Ltd, PO Box 148, Monrovia, New South Wales 2103. Telephone (02) 997 3611 and Southern Outdoor Distributors, 5 Millicent Street, Burnwood, Victoria 3123. Telephone (03) 284 4291.

AVAILABLE AT ALL GOOD OUTDOOR SHOPS



Sleep On The Right Stuff

Coated nylon skin resists punctures, keeps you high and dry.

High capacity Delrin® valve makes self-inflating and deflating virtually effortless.

Patented bonding technique prevents air displacement, assures support and sleeping comfort.

Thicker foam puts more insulation between you and the ground, so you stay warmer.

Don't let your mattress come between you and a good night's sleep. Therm-a-Rest. Made of stuff so right, it's guaranteed for life.

For details write:
 Grant Minervini
 Agencies Pty Ltd,
 P.O. Box 209, Welland
 South Australia 5007
 Phone (08) 46 6061
 ©1988 Cascade Designs, Inc.

Therm-a-Rest
 For the rest of your life.

ASPIRING CLIMBS

WAYATT'S ASTRO HARNESS

This harness was designed by Geoff Wayatt for all mountaineering situations. When a mountaineer falls down a crevasse or aid climbs a big wall he needs a harness that is more than merely lightweight, simple and convenient. Compare the following attributes with the alternatives and make your choice: 1 One size fits all waist and leg sizes. 2 Buckle system is interchangeable from left to right. 3 Climbing rope ties directly to harness. 4 Allows for two harness holders at hips. 5 10 cm wide waistband protects kidneys during awkward backward falls. 6 Optional waist tie only, when sleeping on narrow ledges. 7 Lighter than a Whillans harness, 650 g with two holders. 8 Unique three-position loading: waist, pelvis and thighs. Superior for hanging belays, prussicking and falling. 9 Convenient to use without disassembly. Great for big walls, high altitude and ladies! New vivid red and royal blue colours. Write now for free colour brochure.

We teach skills, explain mountain judgement, take you on to high peaks, assist you with critical decisions. We'll give you... a taste of mountaineering

Geoff Wayatt

MOUNTAIN RECREATION

Professional Mountaineers
 PO Box 204
 Wanaka
 New Zealand
 Ph (02943) 7330

Made by Australians, for Australians Australian made and Australian tested. At last, *bombproof* boots made to international standards for Australian conditions. Bunyip quality rivals the best from Europe. Bunyips are made to last. No short cuts, no nonsense. **Leather is Best** Leather-lined, full-grain leather uppers, thoroughly impregnated with a water-repellent. We know leather inside-out, only the best becomes a Bunyip. **Insoles with a Memory** Unique, friendly full-grain leather insoles mould to fit your feet. Steel shanks ensure that Bunyip boots flex where your feet flex. Plastic footbeds cradle your feet. All boots should be this comfortable. **Australian Feet First** World-class boots built on wide, high-instep Australian lasts (sizes 36 to 48). Bunyips are an indispensable part of Australian bush lore. Itching to get into a pair? You'll find Bunyips at better outdoor shops. Trade enquiries: Graeme Taylor (03) 859 4485.

Bunyip Boot Company, 316 Hoddle Street, Abbotsford, Victoria 3067, Phone (03) 417 6092. Telex AA 31348

Kimberley

Leather-lined, full-grain leather upper and insole, stitch-down construction, traditional Vibram lug sole, eye and hook lacing. Pair size 42: 1,200 grams

Finders

Leather-lined, single-piece full-grain leather upper and insole, wire fairstitch construction, traditional Vibram lug sole. D-ring lacing. Pair size 42: 1,620 grams

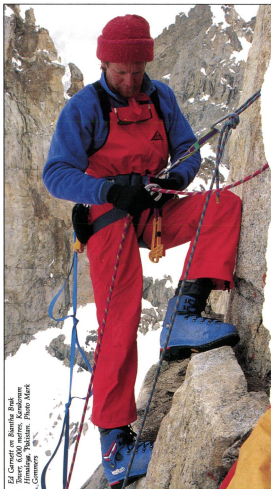
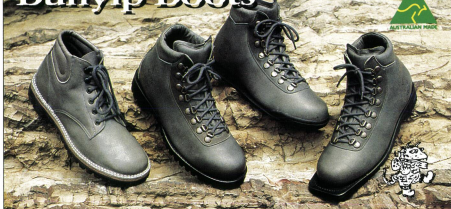
Bogong

Leather-lined, single-piece full-grain leather upper and insole, cement-bonded Vibram mountain sole (compatible with Trionic-style gaiters), D-ring lacing. Pair size 42: 1,280 grams

Grey Mare

Leather-lined, single-piece full-grain leather upper and insole, wire fairstitch construction, Vibram Nordic Norm sole, D-ring lacing. Pair size 42: 1,500 grams

Bunyip Boots



Ed Gemmell on Summit Peak
over 6,000 metres, Kariakorum
Range, Antarctica. Photo Mark
Crommers

When your clothing is all that stands between you and the elements, it had better be good!

Wilderness Equipment packs, clothing and tents have been proven and refined in Antarctica and the world's great ranges, wherever adventurers and their clothing face the greatest challenges. Wilderness Equipment, putting protection and comfort between you and the elements.

WE
THE ORIGINAL
Wilderness Equipment
PO Box 83, Fremantle, WA 6160
Uncompromised Design

Equipment

grain leather upper double-stitched to a Vibram sole, it is expected to appeal to skiers of the back country.

● **Pack It to Me, Too.** Since it first appeared a couple of years ago, the *JanSport Sundrop* has appealed to many people looking for a day pack with a little more (see *Wild* no 21, page 77). It is soon to reappear sporting a new, zipped, document pocket and a new price tag. Catch the original at around \$65 (while you can) or look for the new version at \$85. (Another of *Outdoor Survival's* popular lines, the *Pocket Purifier*, a small device for purifying water in the field, is available again after an absence—this time at the lower price of \$10.)



Du Pont's Comforel filling usually comes inside the bag!

● **Down But Not Out.** Creating a synthetic alternative to down fill in sleeping bags is obviously something of an obsession at *Du Pont*. With the release of its latest Dacron (polyester) fibre fill, *Comforel*, *Du Pont* appears to be closer than ever to this objective.

Synthetic sleeping bags are, typically, heavier and bulkier than down-filled sleeping bags but are cheaper, non-allergenic and maintain their loft in damp conditions. Successful synthetic sleeping bag insulating fibres have formerly been fashioned into manageable batts to resist displacement and clumping. Like down clusters, however, *Comforel* fibre balls move freely to conform to the irregular and changing shapes of sleeping bag compartments.

Comforel makes its Australian debut in the new *Roman Wilderness 4 Seasons* sleeping bag range. This consists of seven tapered rectangular bags (with and without a hood or cotton lining) with two fill-weights and two 'sub-zero' temperature ratings. *Comforel* is contained in slant-walled compartments with an overlapping triangular (V-tube) cross-section. RRP from about \$140.

● **Return of the One-eyed Monster.** One of the best-known rucksacks before the market was overrun by the current craze for torso-length adjustment (see *Equipment*, *Wild* no 19)



WILD COUNTRY

QUASAR

THE MUCH COPIED ORIGINAL
DESIGNED TO EXCEL —
MADE TO LAST



— for the world's most hostile environments



SUPER NOVA

GIANT QUASAR

QUASAR

GIANT TAISAR

TAISAR

"Designed to excel — Made to last"

Wild Country have long recognised the necessity to design and manufacture tents and bivouac equipment to the highest standard of quality.

Our experience as tent users has reinforced our determination to design and manufacture tents that will give superb performance in the world's worst climates.

To the backpacker or mountaineer the importance of warmth and reliable shelter is paramount.

We accept no compromise in our search for the optimum fusion of design, materials and manufacturing techniques to make Wild Country tents the most reliable, waterproof, high performance tents available.

AVAILABLE AT LEADING
STOCKISTS OR WRITE TO:—

VERGLAS AUST PTY LTD

PO BOX 295
BROADWAY Q. 4006
PH: (07) 252 8894

macpac

flows with your body



When you walk, your back hinges at the waist and moves independently of your hips. On other harness systems, the hipbelt is rigidly attached to the pack, severely restricting your natural body movement. The unique MACPAC

hipbelt is centrally pivoted, so it sits perfectly still on your hips, freely bearing weight, while the pack sits snugly on your back, following its every move.

Unrestricted movement... Maximum comfort.



WOOL, WITHOUT THE DRAWBACKS

At ANY MOUNTAIN we are now complementing our Gore-Tex® and Entrant® range with Polarplus. We see Polarplus as wool without the drawbacks. It has a high warmth-to-weight ratio but, unlike wool, absorbs very little water. It dries fast and keeps you warm. It never pills and can be washed without shrinkage. Look for these quality products at specialist shops.



Equipment

was the Berghaus Cyclops. The simplicity and relatively low weight of this and similar rucksacks were often forgotten in the search for the perfect fit, a goal seemingly as elusive as ever. The new Cyclops II range from Berghaus, distributed by Outdoor Agencies, marks a return to the idea of the fixed-length harness on the part of a major manufacturer. The frame and harness are very similar to those of the original sacks, albeit beefed up and refined somewhat for greater comfort in this user-friendly age. Two large fillets of padding extend the length of the wearer's back, with a channel between for ventilation and to protect the spine. The hip-belt is still of the fixed variety, consisting of two large and generously padded wings sewn to the base of the back. Surfaces in contact with the wearer are clad in fast-drying Advent fabric.

Most Cyclops models come in two sizes; some also in a third, designed to fit women. It has always been unreasonable to expect any rucksack, adjustable or not, to fit every body, and fewer possibilities for adjustment will inevitably mean fewer perfect fits. However, if a rucksack such as this does fit, you will at least be spared the effort of carrying around buckles and straps meant for someone else.



Do-it-yourself stove. Robert Clarkson

● **Beat the Heat.** Robert Clarkson (NSW) observed the efficient operation of a Trangia methylated spirit cooker and decided it could be improved upon. Unwilling to sacrifice his favourite fire-blackened billy, he assembled a light, efficient stove around it, using commercially available components. The collapsible tripod base from a cheap meths stove, an Outgear windshield cut to size and riveted and the burner from a Trangia stove rest on a base cut from the excess windshield material. Inverted Vs cut in the base of the shield ensure an adequate supply of air to the burner. Robert tells us his stove is so effective that a litre of water will boil in eight minutes instead of the usual twelve (see Stove Survey, Wild no 24). The lack of a fry-pan is offset by both low weight and low bulk and the availability of a billy for cooking on fires. The cost? Approximately \$40, including a carry-bag but not including a billy.

● **Fading Light.** The Faders Mini-biner is an anodized D-shaped karabiner weighing in at 35 grams. RRP \$11. The kidney shape of the Faders Rescue-biner is designed to align ropes end-to-end in the karabiner under load. It weighs approximately 80 grams and costs \$16.

Another product distributed by Outdoor Survival is the Cassin Belay Plate which accepts two 11 millimetre ropes and is a member of the Sticht/Cosmic Arrester/Bettabrake clan: 60 grams, RRP \$13.50.



OUTDOOR CLOTHING
Manufactured by
McDermott Pty Ltd
(03) 329 7022



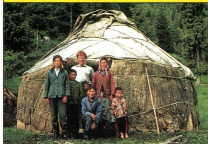
PURE NEW WOOL

Pure new Australian wool
— practical and the best,
naturally.



CHINA
ADVENTURE HOLIDAYS

Put yourself in the picture



THE SILK ROUTE

Send now for a free colour
brochure of adventures for travellers
— rather than tourists.

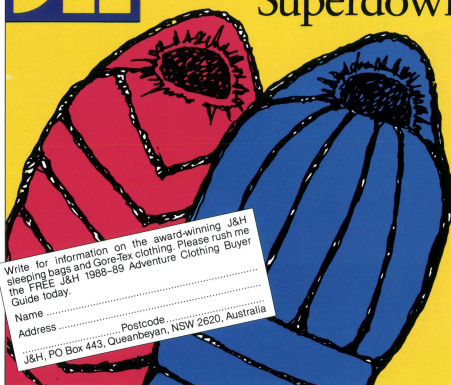
**ACCESS
TRAVEL**

5th Floor, 58 Pitt Street, Sydney, NSW, 2000.
Telephone: (02) 241-1128

L.A. 8900



The Shapes of Superdown Warmth



Write for information on the award-winning J&H
sleeping bags and Gore-Tex clothing. Please rush me
the FREE J&H 1988-89 Adventure Clothing Buyer
Guide today.

Name

Address

Postcode

J&H, PO Box 443, Queanbeyan, NSW 2620, Australia

Our dedication to *warmth without weight* means that J&H superdown sleeping bags look different. They look different because their baffle lines do not simply cross the bag straight from side to side. Some J&H models have V-shaped stitching while others have both longitudinal and cross stitching.

Cold spots occur when down shifts from the top of a conventional sleeping bag to the sides. Body heat escapes from the top of a sleeping bag so less down shift means better insulation just where you need it. J&H Vertical-Cross and V-Victory baffles are both outstandingly successful in preventing down shift. You get a warmer sleeping bag without an increase in weight.

J&H sleeping bags may look a little different and cost a little more, but they are the very best you can buy.

For further information about the J&H range of Superdown Sleeping Bags and Gore-Tex Adventure Wear write to: J&H PO Box 5, Campbell, ACT 2601 for your free colour Buyers Guides.

WARMTH IN A WILDERNESS

macpac

loves the rain



Don't let the rain spoil your fun. MACPAC makes the most waterproof rucksacs around.

The secret is Aztec, a specialised pack fabric designed to satisfy MACPAC'S unique demands for weather proofness and durability.

Aztec is a tightly woven blend of polyester and cotton, treated with a highly effective waterproofing solution. This solution is absorbed right into the fabric, creating a degree of waterproofness that other pack fabrics cannot match.



Equipment

● **Resurrection.** Wild Country tents have reappeared, now made in Korea at a civilized price. The *Giant Quasar*, a three-person version of Wild Country's four-season elongated dome tent, weighs 3.9 kilograms and costs \$652 at Mountain Designs shops. Fly- and floor-seams are, of course, tape sealed. Convenient cooking, storage and controlled ventilation are possible with a door and vestibule at each end.



Verglas Vestplus vest

● **Vestatile.** The versatile Verglas Vestplus vest has a Stormbloc water-resistant outer shell and a Polarplus lining, with two large, zippered hand-warmer pockets; RRP \$114.

● **Carry On Trekkin'.** A new Outgear travel pack is available at Intertrek shops. You get top and side carry-handles, lockable zips, a zip-off day pack (which can be locked to the main pack lid)—and change from \$250.

● **Wild and Woolly.** If you want a pair of durable, medium-weight and water-repellent woollen trousers for walking but don't want to look like a Digger and don't want to spend a week's pay at Country Road, visit an Intertrek shop. Intertrek woollen trousers feature a loose, comfortable cut, have plenty of pockets and cost about \$70.

● **Three Wise Skis.** Three Asnes XCD skis are being distributed by D B Biggs this winter. The *Sondre Telemark* (63–54–58 millimetres) has full-length offset steel edges, a laminated wood core, a moderate (nine millimetre) side-cut and camber stiffness for touring with downhill control. A pair of 210 centimetre skis weighs 2.4 kilograms. RRP \$325. With a 20 millimetre side-cut, the *Nansen Mountain* (76–56–66) is more downhill orientated; 2.7 kilograms a 210 centimetre pair. RRP \$400. The *Telemark Comp* (68–56–60) is intended for racing on lift-serviced hard-packed snow. A pair of 210 centimetre Comps weighs 2.7 kilograms. RRP \$425.

HARRIER

Rossi Boots

WORK HARD - PLAY HARD



● **HARD-WEARING, CLEATED RESIN RUBBER SOLE** ● **TOP-OPENING TONGUE, AND D-RING AND HOOK LACING FOR EASY ACCESS** ● **PADDED TONGUE AND ANKLE, AND CONTOURED POLYETHYLENE INSOLE FOR COMFORT** ● **FULL AND HALF SIZES 4-12** ● **AVAILABLE WHERE GOOD BUSHWALKING BOOTS ARE SOLD**

macpac

— *designed for the* —
toughest conditions



Australia and New Zealand are amongst the toughest environments in the World. Our vast wilderness areas range from rugged mountains to tropical rainforests. This extreme range of conditions is as unique as our combination of outdoor pursuits. So to be effective, the equipment we use needs to be designed for our own environment.

Most international brands are designed for less

strenuous environments in Europe and America. Mostly, they're too small, not weatherproof, even made in Asia.

Because MACPAC lives right here, their equipment is specifically designed and manufactured for our conditions. As a result, MACPAC is more comfortable, more waterproof and tougher than any other rucksack you'll find anywhere.

Photo: Rod Turner NSW



THE
LITTLE
GREEN
ADVENTURE
BOOK

ajays
WILDERNESS SPORTS

FIRST EDITION OUT NOW!

From underwear to ice axes – *Ajays Little Green Adventure Book* is 20 pages crammed full of products, prices and information for everybody involved in outdoor activities.

Bushwalkers, light-weight campers, climbers, cross-country skiers, ski tourers, telemarkers and overseas travellers – *Ajays Little Green Adventure Book* is the most comprehensive equipment and clothing guide you could possibly obtain. Don't miss out!

For your FREE copy of 'THE LITTLE GREEN ADVENTURE BOOK' telephone now on (03) 720 4647 or visit

ajays

WILDERNESS SPORTS

115 Canterbury Rd, Heathmont 3135.

KOALA

Like its namesake, the **OUTGEAR KOALA** day and a half pack is totally unique to Australia. Designed with the serious walker/trekker, XC skier or trip leader in mind, the pack has the following features: side compression straps, double base, a 12-ounce Ultraproof canvas body, double seam-taping for extra weather-proofing, a pocket in the lid, a large external back pocket, sternum (chest) strap facility, a functional yet simple back-length adjustment, and an internal frame. The total capacity is a generous 30–35 litres. A 48 mm wide waist strap is standard. This pack has been made with the same high quality materials and standards one expects from **OUTGEAR**. Available in blue, red, grey and combinations thereof.



Outgear
MADE IN AUSTRALIA



DOWN TO EARTH PRODUCTS

Equipment



A new school cap, Rawlings?

● **Hey Pardner!** Bill Conner introduced his leather hat, with its broad, easily-shaped brim and chromium-tanned hide, to bushwalkers while at Binna Burra Lodge, Lamington National Park, Queensland. Leather hats develop an individual character with wear and tear. Use 'em to fan yer fire an' water yer horse. BC leather hats cost about \$50.

● **Fast Relief.** JanSport has come to the rescue of those too lazy to make their own first aid kit (see Wild no 27, page 29). JanSport first aid kits unzip and fold out to display your wares in pockets, sleeves and behind straps, ready for immediate use. Small (110 grams, RRP \$16.50) and large (190 grams, RRP \$24) pouches are available.

● **Ascender Survey Update.** It appears that Jumar ascenders with cams having a rounded trailing edge have been available since 1984—but were not included in Lyle Closs's ascenders survey in Wild no 24, page 93. Single examples only of each brand were tested rather than a more representative sample of comparable and contemporary models. Gibbs ascenders, popular with cavers, were also omitted as was the humble prusik knot for comparison. Under a static load, prusik knots tend to break at about the rated strength of the cord used (about 1,000 kilograms in the case of suitable six millimetre kernmantle cord). Other testers have found that the cams of the CMI, Jumar, Petzl and SRT ascenders cut the sheath of an 11 millimetre static rope at between about 500 and 800 kilograms, depending on the rope. This reinforces the conclusion that the contact point between the ascender and the rope is the weakest point in the system.

All the ascenders surveyed are strong enough to support a single body weight in use. Most ascender manufacturers, however, recommend that ascenders not be used where dynamic loads are expected. Dynamic loads that could be expected to occur when using an ascender as a belay brake may be different from the static loads applied while testing. Performance under a static load is unlikely, therefore, to be a reliable indication of an ascender's suitability for back-rope soloing.

New products (on loan to Wild) and/or information about them, including colour slides, are welcomed for possible review in this department. Written items should be typed, include recommended retail prices and preferably not exceed 200 words. Send items to the Editor, Wild, PO Box 415, Prahran, Victoria 3181.

Butter Concentrate FOR HOT CLIMATES

28g TUBES & 375g TINS

- Can be used as a table spread or for baking purposes, ideal when boating, camping or bushwalking.
- Butter that requires no refrigeration and keeps for years if unopened.

Further information available from:

THE CAMPING CENTRE
25 Ipswich Road, Woolloongabba,
Brisbane, 4102. Ph. 391 6930.

SCOUT OUTDOOR CENTRES
Queensland
132 Wickham Street, Fortitude Valley,
Victoria

360 Lonsdale Street, Melbourne.

South Australia
192 Rundle Street, Adelaide.

Tasmania
107 Murray Street, Hobart.

West Australia
581 Murry Street, West Perth



THE BUTTER MARKETING BOARD

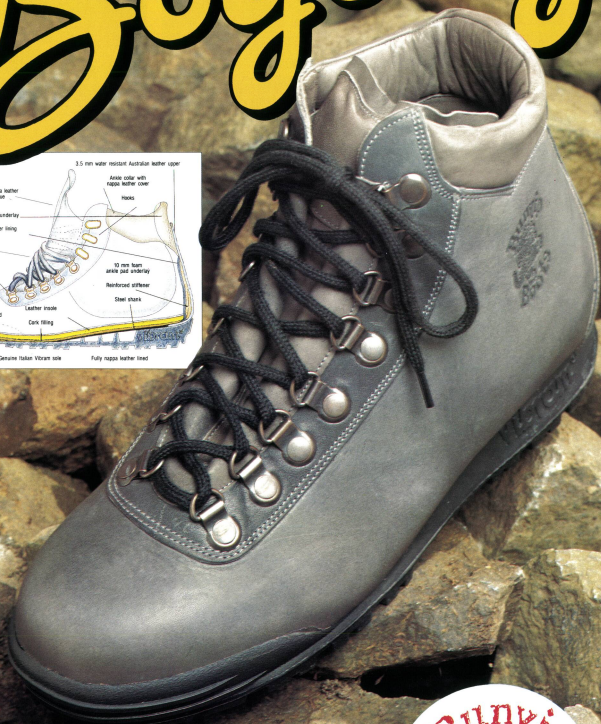
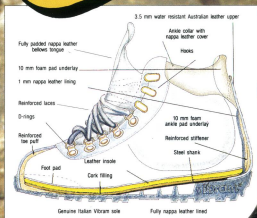
489 Kingsford Smith Drive, Hamilton, Brisbane, Q. 4007

The Makers of



BUTTER

The Bogong



I'll Eat My Akubra'

Treseder inspires new trend in bush cuisine

I read your magazine with great interest and have found your advice and articles, including those describing the antics and extraordinary feats of Peter Treseder, consistently very informative and entertaining. Your autumn 1988 issue (*Wild* no 28) leaves me in no doubt that Mr Treseder is indeed related to one Clark Kent of the *Daily Planet*. Anyone familiar with South-west Tasmanian terrain, particularly Federation Peak and the Eastern and Western Arthurs, and who has spent long days struggling through the scoparia and bogs and over the rocky ridges, will realize that Mr Treseder is certainly super-human.

If Mr Treseder's recent feat (return trip from Scotts Peak Dam by the Western and Eastern Arthurs, Federation Peak and a 'finishing sprint up the Arthur Plains' in 23 hours 28 minutes) is fact and not fiction, I will eat my Akubra.

Frances Doyle
Coledale, NSW

The antics of Peter Treseder are not admired by everyone. His high-speed travel through some of Australia's best bushwalking areas may do a lot for his ego but make a mockery of the generally accepted reasons for going bushwalking.

It's time he did a bit of soul searching and came to grips with the real reasons for his urge to seek recognition and acclaim through his remarkably yet worthless feats of endurance.

To travel, as he does, through some of the most beautiful wilderness areas on this planet, like a runner on a race track, is almost a sacrilege. I am not impressed to learn that he completed, in less than 24 hours, one of the most famous walks in Tasmania which normally takes 10-12 days or more.

The mind boggles at the thought of dozens of other sweaty runners setting out to emulate Treseder's antics. Encountering one of these ego trippers on the run would certainly diminish my wilderness experience.

Brian Walker
Glebe, NSW

Waxing Lyrical Over Duck-Boards
In *Wild* no 27 readers criticized John Chapman's track notes for Tasmanian walks (*Wild* no 26). I would like to put a case for such guides.

These guides are needed to open wilderness to as many walkers as possible in order to contradict Tasmanian Premier Robin Gray's statements to the effect that wilderness areas have little 'use' by bushwalkers and those who have a 'greater use' for them, that is woodchippers and dam-builders, should be allowed into them...

If we, as bushwalkers and conservationists, show that large numbers visit these areas then we have a greater potential lobby. The justification for a park or a commercial area is often in the numbers and types of people who want it. We have to get in first. Burns on seats? Feet on tracks!

It's all very well to wax lyrical over what should be pristine wilderness, but that's exactly what the woodchippers and dam-builders want as well. They want areas untouched ('unwanted') by bushwalkers or rafters...

Reality needs to infect some areas of the conservation movement. We may lose a little 'pure' wilderness, but the amount we stand to lose vastly exceeds the miniscule amount lost to duck-boards.

I'd eventually like to see a track from Macquarie Harbour to Bathurst Harbour. Anyone interested? I'll write the track notes!

Robert Clarkson
Springwood, NSW

Another Sexist Stereotype

After two weeks in South-west Tasmania, I was enjoying *Wild* on the flight home, when the cartoon illustrating your boot survey caught my attention (*Wild* no 28, page 62).

It is a shame that a bushwalking/outdoors magazine such as yours should reinforce sexist stereotypes, where the women stay at home and clean up when the intrepid men return with smelly socks from their hikes.



I enclose a reversed version of the cartoon (with apologies to Ian Gunn).

I can assure you that post-Federation Peak socks are just as obnoxious (and unwelcome at home), whether shed by male or female feet!

Sarah Dunlop
Alice Springs, NT

'I Would Have Killed the Pest'

I am writing to express my disapproval of a 'letter' from Rachel Brown published in *Wild* no 28. Ms Brown seems to think that Peter Sesterka, author of the article 'Rats!' (published in *Wild* no 26), killed a bush rat for the fun of it—as she stated... a ski tower killing a rat for humour...

Ms Brown obviously didn't comprehend the

article when she read it. The rat was killed because it had just eaten its way through a brand-new \$400 tent; and if the unfriendly rodent had not been killed, a more considerable amount of damage would probably have been done, not to mention the food that would have been eaten.

The high plains are a very dangerous place in winter if you don't have the right equipment, intact. It would have been silly of the author to let the rat have a field day with his tent and supplies. (Nothing stops those rats.) If I was in his place I definitely would have killed the pest.

Simon Sheales
Camberwell, Vic

Jim's Turn

'Climbing Bureaucrat' (*Wildfire*, *Wild* no 27) chose not to reveal his name, but was recognized by locals as one of the more pompous and authoritarian Blue Mountains National Park Rangers, or self-styled 'professional land managers'. I for one am glad that there is a group in the community prepared to stand up to the 'powerful organized authorities' and their over-regulation of National Parks.

Jim Smith
Wentworth Falls, NSW

A Commendation

It's about time someone replied to John McPhee's well-meaning letter (*Wild* no 26) criticizing David Platt's account of his Franklin River trip (*Wild* no 25).

Your advice is quite true and safe, John. But, oh, it sounds like it comes from the myriad of bureaucratic officials who keep us safe and tucked in bed. If we always followed their dictates there would be no great adventurous trips in the world. There would be no thin red line, no pushing the limits of human endeavour. What should we think of extreme mountaineering, steep skiing, 'necky' canoeing, and even bushwalking alone? It would appear that Terry Bolland's voyage along the Kimberley coastline breaks all the rules.

There are no cardinal rules in the mountains. Based on the premise that people are interested in self-preservation, there is good advice. But there is no rigid framework to adhere to.

I am fairly certain that the article has not and will not cause a rush of inexperienced people to repeat the journey in a similar manner or conditions. Only people with a high degree of skill and experience would do so. To stick one's neck out isn't the aim of adventure in the outdoors; but it can be part of it. Personally I commend David Platt for such an audacious trip.

Gordon Bedford
Parkville, Vic

Readers' letters are welcome. A selection will be published in this column. Letters of less than 200 words are more likely to be published. Write to the Editor, *Wild*, PO Box 415, Prahran, Victoria 3181.

KATHMANDU

SHOPS

MELBOURNE 78 Hardware Street
Ph (03) 642 1942

SYDNEY Town Hall Arcade
Cnr Kent & Bathurst Sts
Ph (02) 261 8901

CANBERRA 34 Mori Street, Braddon
Ph (062) 474 023

MAIL ORDER: GPO Box 20845, Melbourne 3001

Phone TOLL FREE (008) 333 484

Melbourne Area, Phone 417 6411

Catalogue and further details
available on request.

ASOLO BACKCOUNTRY TOURING AND XCD BOOTS

ASOLO touring and XCD footwear comes with a long standing reputation for performance, fit and reliability. This winter Kathmandu has a complete range from the ASOLO 'Tour' — for day trips and touring, to the 'Extreme Pro' — with buckle, for XCD on piste Telemarking and racing. From the six models, you're bound to find the boot to fit your foot, the type of skiing you're into, and your budget. Our prices are up to and over 30% off the current recommended retail prices for Asolo ski boots.

Model	Construction	Upper	Inner	Sole	Colours	Sizes	Weight	RRP	Our Price
SNOWFIELD II	Polyurethane Midsole with Steel Shank	Antibio Double Tanned Leather with Cordura Insert	Cambrelle 300 Lining E.V.A.	Vibram Nordic Norm for Binding 75 mm	Black	4-13	950 gms.	\$288.00	\$209.50
EXTREME	Polyurethane Midsole Graduated Structure with Steel Shank	Antibio Double Tanned Leather with Nylon Reinforcement	Cambrelle 300 Lining E.V.A.	Vibram Nordic Norm for Binding 75 mm	Black	6-12	1150 gms.	\$352.00	\$249.00
SUMMIT	Polyurethane Midsole Graduated Structure with Steel Shank	Antibio Double Tanned Leather	Cambrelle 300 Removable Boot Backed to Vibram E.V.A.	Vibram Nordic Norm for Binding 75 mm	Black	5-12	1240 gms.	\$408.00	\$299.50
EXTREME PRO	Polyurethane Midsole Graduated Structure with Steel Shank Buckle at Ankle	Antibio Double Tanned Leather with Anatomic Nylon Reinforcement	Cambrelle 300 Lining E.V.A.	Vibram Nordic Norm for Binding 75 mm	Black	5-12	1820 gms.	\$376.00	\$279.50
GLISSADE 350	Asoflex System	Asolo Gallusser Antibio AG 25 Leather	Cambrelle 300 Lining E.V.A.	Vibram 75 mm	Anthracite	3-13	800 gms.	\$265.60	\$189.50
TOUR	Asoflex System	Polyurethane Covered Leather	Tesivel Lining E.V.A.	Vibram 75 mm	Grey, Red	3-13	710 gms.	\$208.00	\$139.50



- A. Tour
- B. Glissade 350
- C. Snowfield II
- D. Summit
- E. Extreme
- F. Extreme Pro



Melbourne Map Centre

■ TOPOGRAPHIC MAPS

For Australia, NZ, PNG, UK, USA

■ TOURING MAPS

World, Overseas Countries and Cities

■ ROAD ATLASES

For major countries

■ TRAVEL GUIDES

Baedekker's, Berlitz, Fodor's, Frommer's, Let's Go, Lonely Planet, Michelin

■ OUTDOOR BOOKS

Bushwalking, canoeing, touring, 4WD, cooking

■ EDUCATIONAL MAPS

■ COMPASSES



Laminating and Block Mounting of maps on premises

Marine and Aeronautical charts, World Globes

Hours: 9-6 Weekdays, 9-1 Saturday

Phone and postal order service

All major credit cards accepted



740 Waverley Road, Chadstone, Victoria
(PO Box 55, Chadstone, Victoria 3148)

(03) 569 5472

You want thermal underwear? You need Helly-Hansen LIFA SUPER

When you travel, walk, ski, climb, paddle, sail, dance, run, cycle, windsurf, work or sleep... start with LIFA SUPER then decide what else you'll need to wear. Helly-Hansen LIFA SUPER works. Ask someone who wears it.

PHOTO COMPETITION

Do you have photographs of LIFA SUPER in action? Send your LIFA SUPER action shots (preferably colour transparencies) to D B Biggs Pty Ltd, 153 Sussex Street, Sydney, NSW 2000. The best photographs will be published. Successful photographers will be credited and receive a LIFA SUPER top (000) and a pair of long johns (008). All photographs will be returned.



090

066

008

026

000

036

061



LIFA SUPER UNDERWEAR

AVAILABLE FROM ALL GOOD OUTDOOR SHOPS

Contact D B Biggs Pty Ltd, 153 Sussex Street, Sydney, NSW 2000.

*Seeking
Freedom?*



DEPARTMENT OF LANDS

MAPS

*Your key to
outdoor
adventure...*

*climbing
camping
canoeing
skiing
bushwalking*

CMA maps are available from many newsagents, bookstores, tourist information centres, service stations, camping supply stores, Forestry Commission, Lands Offices, National Parks & Wildlife Service or the CMA directly.

send for your **FREE**

'Catalogue of N.S.W. Maps'

Name

Address

P code

CENTRAL MAPPING AUTHORITY
Panorama Avenue Bathurst NSW 2795
telephone (043) 31 5344

Isn't this where you'd most like a pair of wings?



Save time and money by flying directly to and from your wilderness destination.

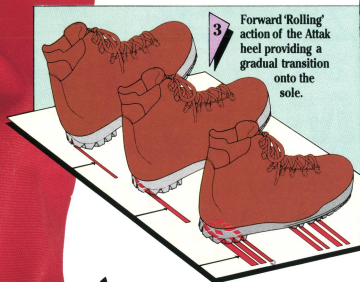
Fly direct with Airlines of Tasmania to Strahan (Tasmania) from Essendon (Melbourne) each Friday afternoon. Return flight each Monday morning.

Wilderness Air operates Tasmania's only seaplane service and offers transport from Strahan Jetty and Hobart Dock to the South-west Wilderness including: Bathurst Harbour (Beattie Creek, Farrell Point, Joe Page Bay, Melaleuca Inlet), Port Davey (Bond Bay, Bramble Cove, Davey River, Hannant Inlet, Horseshoe Inlet, Kelly Basin, Spain Bay), and Coxs Blight Lagoon. Ask about our group discounts. With Wilderness Air charter flights you can explore Tasmania's most remote and rewarding places. While planning your next wilderness adventure, imagine that you have wings.



**For further information and bookings contact either:
Airlines of Tasmania or Wilderness Air
(003) 91 8422 (004) 71 7280, (002) 50 2292**

Performance AND Comfort -in ONE unique system



3 Forward 'Rolling' action of the Attak heel providing a gradual transition onto the sole.

A development of the exclusive Trionic sole design, the Trionic Attak* incorporates all the unique features of the original — and more!

2

3

Increased "toe spring" of the Attak last provides greater walking comfort.



1

Improved Yeti gaiter retention.

2

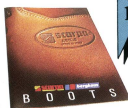
Improved heel grip.

3

Improved walking comfort.

The Trionic Attak is a total walking boot system designed to provide the best in both performance and comfort on the hill.

For further information on the NEW Trionic Attak range of walking boots and the complete SCARPA collection send for the 1988 Footwear Catalogue — AVAILABLE NOW.



Berghaus Limited, 34 Dean Street, Newcastle upon Tyne. NE1 1PG.

*Attak Sole, Attak Heel & Yeti Attak are Registered Berghaus Designs.
The TRIONIC ATTAK sole is manufactured only by Skywalk of Italy exclusively for SCARPA.

Call in to your nearest Berghaus stockist to see the full range of Berghaus InterActive clothing, Scarpa footwear and Berghaus rucksacks.

Queensland

Scout Outdoor Centre; Brisbane Adventure Camping Equipment; Townsville

New South Wales

Paddy Pallin; Sydney, Miranda, Woomamba, Jindabyne Scout Outdoor Centres; Chatswood, Hurstville, Liverpool, Parramatta, Newcastle, Wagga Mountain Equipment; Sydney Eastwood Camping; Eastwood Trail Country Camping; Bathurst The Shop Lucas-Chakola; Kangaroo Valley Bushcraft Equipment; Wollongong

Australian Capital Territory

Paddy Pallin; Canberra Turkiewicz Camping; Fyshwick

Victoria

Paddy Pallin; Melbourne, Box Hill Scout Outdoor Centres; Melbourne, Mitcham, Moorabbin, Bendigo, Geelong The Wilderness Shop; Box Hill Eastern Mountain Centre; Camberwell Junction Outsports; Caulfield, Frankston Outdoor Gear; Ballarat Mountain Sports; Wodonga

Tasmania

Paddy Pallin; Hobart, Launceston Mountain Creek Camping and Clothing; Hobart

South Australia

Paddy Pallin; Adelaide

Western Australia

Paddy Pallin; Perth Scout Outdoor Centre; Perth

Northern Territory

Davies Sports; Darwin



OUTDOOR AGENCIES PTY LTD,
UNIT 14F, HORDERN PLACE,
CAMPERDOWN, NSW 2050, AUSTRALIA

STICKIER THAN BUBBLE GUM! LA SPORTIVA MARIACHERS



- SUPERIOR FRICTION • NARROW, LOW-PROFILE TOE
- TOUGH, NO-STRETCH CANVAS-LINED SUEDE UPPER
- HEEL AND ARCH BANDS PREVENT HEEL-LIFT
- QUARTER SIZES • REPLACEMENT SOLES AVAILABLE

Bushcraft Equipment 29 Stewart Street, Wollongong 2500. Ph (042) 29 6748

Mountain Equipment 291 Sussex Street, Sydney 2000. Ph (02) 267 3639. Mail orders welcome

Torre Mountaineering 600 Sherwood Road, Sherwood 4075. Ph (07) 379 5549

Wilderness Shop 1 Carrington Road, Box Hill 3128. Ph (03) 898 3742

MAPS AND BOOKS BY MAIL ORDER

Bowyangs now offer Australia's first comprehensive catalogue to plan and guide your next adventure. EVERY Australian, New Guinea and New Zealand topographic map from both Government and private sources is included in our inventory. We also offer an extensive range of guidebooks and overseas maps for adventure holidays, isolated treks and business trips.

For a FREE brochure phone (03) 862 3526
or write to: 259 High Street, Kew,
Victoria 3101.



Name _____

Address _____

State _____

Postcode _____

FILLING IN THE GAPS ON THE MAPS



Believe it or not, this man is wearing a jumper and a ski jacket under his skivvy.

You may think this skier is a little underdressed for a day in the snow.

But in fact, he's photographic proof that you don't have to rug up when the temperature goes down.

He's wearing Holeproof Thermalite Underwear, made from one of the warmest fibres known to man and woman.

With Thermalite you stay dry

and comfortable as well as warm, because moisture evaporates to the outside of each fibre, away from your skin.

And because you're not soaked in perspiration, you can't catch a chill.

The Thermalite range includes short and long sleeve T-singlets, Long Johns and socks, all for men.

And for women we have a choice of vests, long sleeve spencers or pantees.

So there's really no need to wear layer upon layer when you can dress in Thermalite.

After all, the alternative is a rather uncomfortable thought.

**Holeproof
Thermalite Underwear.**

CAMPING CAVING ABSEILING FISHING GEAR



Stop Descender Climber General Purpose Cover

SRT EQUIPMENT

Manufacturers and retailers of the world's finest adventure gear.
54 Blackshaw Avenue, Mortdale 2223
Phone (02) 57 6420, (02) 570 6184 after hours
Mail orders welcome.



It's all yours
if you join YHA!



All over Australia and the world there are comfortable, economical youth hostels waiting to welcome groups and travellers of all ages.

YHA VICTORIA
205 King Street,
Melbourne 3000
Telephone (03)
670 7991

SEW THEM YOURSELF AND SAVE



Rain Parka and
Overpants
Fleece Jackets
Pile Jackets
Gaiters
Water Bag
Bum Bag
Day Pack

Sizes from 2 years to adult

Write for information to

OUTDOOR WEAR

PO Box 1439, Woden 2606

Alliance Foods FREEZE DRI



FREEZE DRI 'MENU'

- sliced lamb and peas
- sliced beef and beans
- beef curry and rice
- savoury mince and rice
- beef casserole
- chilli con carne
- beef cubes
- beef mince
- sweet and sour lamb
- sweet and sour pork
- smoked fish and parsley sauce
- macaroni cheese
- savoury beef in spaghetti
- beef steak
- yoghurt
- apples and apricots

Convenient, wholesome export quality precooked meals — ruggedly packed from Alliance Foods. Alliance Freeze Dri contains a wide variety of foods, including breakfasts, mains and dessert items, giving you an easy-to-prepare, lightweight meal for all outdoor situations.



CLIMBING



TRAMPING



HIKING



SAILING

AVAILABLE FROM ALL LEADING SPORTS AND OUTDOOR ACTIVITY SHOPS

Marketing and Distributed by:

**OUTDOOR AGENCIES
PTY LTD**
14F Hordern Place
Camperdown
NSW 2050
Phone (02) 517 1011

**RICHARDS McCALLUM
ASIA LTD**
PO Box 14
Abbotsford
Victoria 3067
Phone (03) 419 4211

Manufactured by:

ALLIANCE FOODS
PO Box 845
Invercargill
New Zealand
Telex NZ5325
Phone (021) 59 099

© Cop A.D. 208

NEW

NUMB'S NOT THE WORD



WARM AND DRY. Fairydawn High and Dry 100% polypropylene underwear attracts and conveys moisture away from your body, reducing heat by evaporation. Because polypropylene absorbs no moisture, High and Dry underwear remains dry and thermally efficient.

COMFORT. High and Dry is soft and supple yet hard-wearing, and stretches to move with you.

PRACTICAL. High and Dry is easy to dry and easy to care for; simply wash in warm or cold water and drip-dry.

CHOICE. High and Dry comes in three knits and numerous styles and colours. Lightweight High and Dry is ideal blend of ventilation and insulation for strenuous outdoor activities. More tightly woven, Winter Weight High and Dry is excellent winter and cold-climate wear, tough yet free-moving. Expedition Weight High and Dry has a deep, dense knit with a brushed lining for polar and high altitude climates.

	Styles	Crew	Zip-neck		Sizes	Colours						Navy	Red
	Crew	neck	turtleneck			Green	Navy	Pink	Red	White		stripe	on
	short	long	long	Long								on	navy
	sleeves	sleeves	sleeves	Johns									
Lightweight	125 grams	185 grams			155 grams S-XXXL	•	•		•				
Winter Weight	125 grams	165 grams	175 grams		155 grams S-XXXL	•	•	•	•	•	•	•	•
Expedition		265 grams	275 grams		S-XXXL		•		•				



ROCKCLIMBING

PERSONAL INSTRUCTION

Personal service from the professional specialist with extensive experience and an outstanding safety record.

REGULAR COURSES

Beginners, more advanced and lead climbing, abseiling and rescue at the Gramplains and Mt Arapiles.

PRIVATE GUIDING

by arrangement.

CLUBS, SCHOOLS, FRIENDS

Climbing and abseiling for groups, school camps, and year 12 outdoor education.

DUKE OF EDINBURGH AWARD EXPEDITIONS

CONSULTANT

Education and training programmes in climbing, abseiling, rescue and associated activities.

Write for a brochure:

BASE CAMP & BEYOND

PO Box 37, Halls Gap, Vic 3381 or
phone David Witham (053) 56 4300



K
O
S
C
I
U
S
K
O

Paddy Pallin Jindabyne

**CROSS COUNTRY SKIING
ICE CLIMBING
RAFTING
HORSE-RIDING
MOUNTAIN BIKING
CANOEING KAYAKING
EXTENSIVE HIRE
ADVENTURE SHOP**

A
D
V
E
N
T
U
R
E
S

Thredbo
turn-off,
Jindabyne

PO Box 72
Jindabyne
NSW 2627

Phone (064) 56 2458,
(064) 56 2922
Fax (064) 56 2836



**RIDE
TO THE
TOP OF
AUSTRALIA
WITH...**

REYNELLA ALPINE HORSEBACK SAFARIS INTO KOSCIUSKO NATIONAL PARK

Discover this beautiful part of Australia on a
5-day, 6-night horseback safari with
John & Roslyn Rudd who have had over
16 years' experience conducting safaris through
the **Snowy Mountains**.

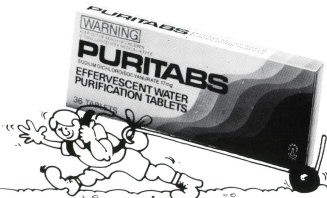
All standards of riding are catered for and the
first and last nights are spent at the
Reynella Homestead Adaminaby.
Safaris commence in November and run
through to April.

**Telephone now for a brochure
REYNELLA ADAMINABY
(064) 54 2386, 54 2469**

*Relaxed Homestead Holidays are also available
for the less adventurous. Ski holiday
packages are available in winter.*

Where on Earth would you be without Puritabs?

- ☐ Treat your drinking and cooking water with Puritabs* or Puritabs Maxi (for water tanks), and reduce the risk of stomach upsets such as diarrhoea caused by water-borne infection.
- ☐ Available from leading retail pharmacies, camping and disposal stores and Scout Outdoor Centres.



SCHERING CORPORATION, USA. Australian Subsidiary: ESSEX LABORATORIES PTY LTD, Baulkham Hills NSW, (02) 624 4444
Health care is our business

*Registered Trademark SX4A

The Original-The Best



GO CAMPING GO LI-LO

The world's best-known
inflatable airbeds



THERE'S ONLY ONE LI-LO AIRBED ASK FOR IT BY NAME


NEW FAST INFLATE/DEFLATE VALVE. LI-LO have successfully used this fast inflate/deflate valve in inflatable boats for years. Now every fabric airbed has this time-saving feature. The valve has two parts. It is important to ensure that the base is securely screwed into the fitting on the airbed. Place the loop round the fitting to secure against loss. The airbed can be inflated by hand- or foot-pump (with the special adaptor nozzle provided), or by mouth (with or without the adaptor). The rubber diaphragm prevents air leakage. Screw on the cap when fully inflated. To deflate, unscrew the entire base fitting. Care should be taken to avoid stripping the threads—a little Vaseline smeared on them before fitting is helpful.




**BEWARE OF IMITATIONS. ONLY LI-LO AIRBEDS ARE
BRANDED WITH THE LI-LO NAME. QUALITY GUARANTEED**

Distributed throughout Australia by Overseas Indents Ltd. Licensed by LI-LO, a division of Jackel International Pty Ltd, Sefton NSW 2162

KAKADU



AND THE KIMBERLEYS TOO

Get off the beaten track and explore one of the last great wilderness areas in the world. See it in the Wet when the rivers and waterfalls are at their most spectacular. See it in the Dry when perfect weather greets you daily. Rugged escarpment, Aboriginal art sites, waterfalls galore, crystal clear pools just right for swimming, and more.

ARE YOU REASONABLY FIT?

If so, and if you have had some bushwalking experience, why not see a unique part of Australia that can be reached only on foot? Walks range from 2 days to 3 weeks and are all done at a leisurely, "tropical" pace.

And, for those interested in a unique overseas experience, how about Alaska and the Yukon or South America? Write for the full 1988 programme.

Willis's Walkabouts
12 Carrington St, Millner, NT 5792.
Phone (089) 85 2134 ah

Prices are more than reasonable.

Space® All Weather Blanket.

All weather protection,
for all seasons, for all reasons.

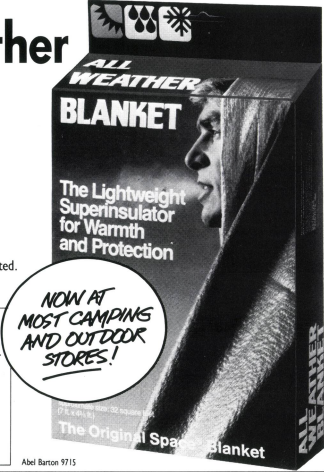
Warms. Or cools. Lightweight. Compact. Durable. Flexible, even in sub-freezing temperatures. Waterproof. Windproof. Retains up to 80% of radiated body heat. Use it as an emergency utility blanket. A camping blanket. Ground cover blanket. Picnic blanket. Sporting blanket. Tarp. Sunshade or windbreak. An emergency shelter. Even radar reflector. Corners are grommetted. In red, blue, olive, orange or camouflage. Used by most rescue organisations...need we say more?



Now available! Space® Emergency Blanket. First aid Thermal blanket for the home, car, boat and camping. Helps reduce hypothermia.

Space® All Weather Blanket and Emergency Blanket now at most camping and outdoor stores.

Trade Enquiries: Sheldon & Hammond
(02) 477 6566 OR
Thermos Pty. Limited (02) 604 0374.



Abel Barton 9715

or information on how to get your
 issues listed in this regular feature,
 please contact Wild Publications Pty Ltd,
 PO Box 415, Prahran, Victoria 3181.
 Phone (03) 240 8482.

Suppliers

Australian Capital Territory

SE Camping Sports
 Equipment Pty Ltd
 1 Prospect Court
 Hillip 2606
 Ph (062) 82 3424
 Pathmandu
 4 Mort Street
 Braddon 2601
 Ph (062) 47 4023
 Turkiewicz Camping Centre
 7 Wollongong Street
 Cheshwick 2609
 Ph (062) 80 6519
 Mountain Designs
 7 Lonsdale Street
 Braddon 2601
 Ph (062) 47 7153
 Paddy Pallin Pty Ltd
 11 Lonsdale Street
 Braddon 2601
 Ph (062) 47 8949
 Scout Outdoor Centre
 39 Petrie Plaza
 Civic Square 2608
 Ph (062) 57 2250
 Wild Country
 59 Woolley Street
 Dickson 2602
 Ph (062) 47 4539

New South Wales

Alpsport Ski and Camping Centre
 1045 Victoria Road
 West Ryde 2114
 Ph (02) 85 6099
 Bushcraft Equipment
 29 Stewart Street
 Wollongong 2500
 Ph (042) 29 6748
 Canoe & Camping Supplies
 265A Victoria Road
 Gladesville 2111
 Ph (02) 817 5590
 Canoe Specialists
 5 Wongala Crescent
 Beccroft 2119
 Ph (02) 484 3934
 Damarl
 58 Clarence Street
 Sydney 2000
 Ph (02) 29 2366
 Eastwood Camping Centre Pty Ltd
 3 Trelawney Street
 Eastwood 2122
 Ph (02) 858 3833
 Gear to Go
 2nd Floor
 377 Sussex Street
 Sydney 2000
 Ph (02) 264 3366
 Great Outdoor Centre Pty Ltd
 80 Parramatta Road
 Lidcombe 2141
 Ph (02) 647 1488
 Kathmandu
 Shop 34A Town Hall Arcade
 Cnr Kent & Bathurst Streets
 Sydney 2000
 Ph (02) 261 8901
 Katoomba Outdoor Centre Pty Ltd
 (In laneway)
 88 Katoomba Street
 Katoomba 2780
 Ph (047) 82 3467
 Mountain Designs
 494 Kent Street
 Sydney 2000
 Ph (02) 267 8238
 Mountain Equipment Pty Ltd
 291 Sussex Street
 Sydney 2000
 Ph (02) 264 3146

Paddy Pallin
 Opposite Thredbo Turn-off
 Jindabyne 2627
 Ph (064) 56 2468

Paddy Pallin Pty Ltd
 186 Katoomba Street
 Katoomba 2780
 Ph (047) 82 2014

Paddy Pallin Pty Ltd
 527 Kingsway
 Miranda 2228
 Ph (02) 525 6829

Paddy Pallin Pty Ltd
 507 Kent Street
 Sydney 2000
 Ph (02) 264 2685

Scout Outdoor Centre
 Carrington Avenue
 Hurstville 2220
 Ph (02) 57 7842

Single Rope Technique Equipment
 54 Blackshaw Avenue
 Mortdale 2223
 Ph (02) 57 6420

Ski Cross Country
 173 Sharp Street
 Cooma 2630
 Ph (064) 52 4147

Southern Cross Equipment Pty Ltd
 66 Archer Street
 Chatswood 2759
 Ph (02) 412 3372

Southern Cross Equipment Pty Ltd
 222 Pacific Highway
 Hornsby 2077
 Ph (02) 476 5566

Southern Cross Equipment Pty Ltd
 18 Hunter Street
 Hornsby 2077
 Ph (02) 476 5566

Southern Cross Equipment Pty Ltd
 28 Phillip Street
 Parramatta 2150
 Ph (02) 633 4527

Southern Cross Equipment Pty Ltd
 493 Kent Street
 Sydney 2000
 Ph (02) 261 3435

Summit Gear
 (In laneway)
 88 Katoomba Street
 Katoomba 2780
 Ph (047) 82 3467

Superior Sportswear Pty Ltd
 12 Cornelia Road
 Toongabbie 2146
 Ph (02) 631 9999

The Outdoor Experience
 518 Macaulay Street
 Albury 2640
 Ph (060) 21 5755

Wildsports
 327 Sussex Street
 Sydney 2000
 Ph (02) 264 2095

Queensland

Adventure Camping Equipment
 11 Ross River Road
 Townsville 4812
 Ph (077) 75 6116

Austen Canoes
 29 Ipswich Road
 Wollongabba 4102
 Ph (07) 391 8588

Back Track Expeditions
 30 Grimes Street
 Auchenflower 4066
 Ph (07) 870 3884

Ian Aitchison & Co Pty Ltd
 42 Douglas Street
 Milton 4064
 Ph (07) 369 0965

Jim the Backpacker
 76 Wickham Street
 Fortitude Valley 4006
 Ph (07) 859 6609

Mackay Rockports
 22 Lindenman Avenue
 Lamberts Beach 4741
 Ph (079) 55 1273

Mountain Designs
 95 Albert Street
 Brisbane 4000
 Ph (07) 221 6756

Queensland Conservation Council
 Billabong Book Shop
 2 Queen Street
 Brisbane 4000
 Ph (07) 229 2801

Scout Outdoor Centre
 132 Wickham Street
 Fortitude Valley 4006
 Ph (07) 52 4744

The Camping Centre
 25 Ipswich Road
 Wollongabba 4102
 Ph (07) 391 6930

Torre Mountain Craft Pty Ltd
 Shop 10
 600 Sherwood Road
 Sherwood 4075
 Ph (07) 379 5549

South Australia

Canoe Sport Pty Ltd
 30 Avenue Road
 Highgate 5063
 Ph (08) 272 9998

Flinders Camping Pty Ltd
 108 Gawler Place
 Adelaide 5000
 Ph (08) 223 1913

Mountain Designs
 95 Grenfell Street
 Adelaide 5000
 Ph (08) 232 0690

Scout Outdoor Centre
 192 Rundle Street
 Adelaide 5000
 Ph (08) 223 5544

Thor/Paddy Pallin Adventure Equipment
 40 Waymouth Street
 Adelaide 5000
 Ph (08) 212 7857

Tasmania

Allgoods Pty Ltd
 71 York Street
 Launceston 7250
 Ph (003) 31 3644

Jolly Swagman
 107 Elizabeth Street
 Hobart 7000
 Ph (002) 34 3999

Mountain Creek Camping and Clothing
 71 Murray Street
 Hobart 7000
 Ph (002) 34 4395

Paddy Pallin Pty Ltd
 76 Elizabeth Street
 Hobart 7000
 Ph (002) 31 0777

Paddy Pallin Pty Ltd
 59 Brisbane Street
 Launceston 7250
 Ph (003) 31 4240

Ruff 'n' Tuff
 10 Rooke Street
 Devonport 7310
 Ph (004) 24 7099

Scout Outdoor Centre
 107 Murray Street
 Hobart 7000
 Ph (002) 34 3885

Young's Outdoor Gear
 35 Wilson Street
 Burnie 7320
 Ph (004) 31 6706

Victoria

Adventure Recreation Lines Pty Ltd
 617 Camberwell Road
 Camberwell 3124
 Ph (03) 29 6155

Ajay's Snow Country Sports
 115 Canterbury Road
 Heathmont 3135
 Ph (03) 729 7844

Algonia Publications Pty Ltd
 Second Floor
 259 High Street
 Kew 3101
 Ph (03) 862 2858

Directories

Aussie Disposals
 283 Elizabeth Street
 Melbourne 3000
 Ph (03) 67 4057

BBQs Galore Pty Ltd
 37 Lonsdale Street
 Dandenong 3175
 Ph (03) 793 2711

BBQs Galore Pty Ltd
 99-101 Maroonah Highway
 Ringwood 3134
 Ph (03) 870 8888

Bowwangs Maps & Guides
 259 High Street
 Kew 3101
 Ph (03) 862 3526

Broadway Disposals
 259 Broadway
 Reservoir 3073
 Ph (03) 460 6621

Bush & Mountain Sports Pty Ltd
 204 La Trobe Street
 Melbourne 3000
 Ph (03) 662 3349

Canoe & Sport Recycle
 617 Camberwell Road
 Camberwell 3124
 Ph (03) 29 6155

Canoe Factory
 18 High Street
 Glen Iris 3146
 Ph (03) 25 5159

Canoes Plus
 140 Cotham Road
 Kew 3101
 Ph (03) 817 5934

Chandler's Outdoor & Ski
 31 Frysers Street
 Shepparton 3630
 Ph (056) 21 4228

Eastern Mountain Centre
 401 Riversdale Road
 Camberwell Junction 3123
 Ph (03) 882 7229

Environment Centre Bookshop
 274 Flinders Lane
 Melbourne 3000
 Ph (03) 654 4833

High Point Camping and Disposals
 Shop 34 Highpoint City
 Rosamond Road
 Marburyng 3032
 Ph (03) 318 6758

Hike and Ski
 67 Wells Street
 Frankston 3199
 Ph (03) 783 4093

Kathmandu
 78 Hardware Street
 Melbourne 3000
 Ph (03) 642 1942

Melbourne Map Centre
 740 Waverley Road
 Chadstone 3148
 Ph (03) 569 5472

Mountain Designs
 377 Little Bourke Street
 Melbourne 3000
 Ph (03) 670 3554

Mountain Sports Wodonga
 25 South Street
 Wodonga 3690
 Ph (060) 24 5488

Outbound Camping
 83 Mitchell Street
 Bendigo 3550
 Ph (054) 43 0070

Outdoor Gear
 1213A Sturt Street
 Ballarat 3350
 Ph (053) 32 7516

Outdoor Ventures Geelong
 Shop 11
 Pakington Arcade
 Pakington Street
 Geelong West 3218
 Ph (052) 22 4949

Outgear Pty Ltd
PO Box 6
Maribyrnong 3032
Ph (03) 317 8886

Outports
340B Hawthorn Road
Caulfield South 3162
Ph (03) 523 5727

Outports
36 Young Street
Frankston 3199
Ph (03) 783 2079

Oz Camping & Disposals
664 High Street
Thorbury 3071
Ph (03) 484 2849

Paddy Pallin Pty Ltd
8 Market Street
Box Hill 3128
Ph (03) 898 8596

Paddy Pallin Pty Ltd
360 Little Bourke Street
Melbourne 3000
Ph (03) 670 9485

Richard McCallum A/Asia Pty Ltd
PO Box 14
Abbotsford 3067
Ph (03) 419 4211

Sam Bear Outdoor Gear
225 Russell Street
Melbourne 3000
Ph (03) 663 2191

Scout Outdoor Centre
172 Moorabool Street
Geelong 3220
Ph (052) 21 6618

Scout Outdoor Centre
360 Lonsdale Street
Melbourne 3000
Ph (03) 67 1177

Scout Outdoor Centre
523 Whitehorse Road
Mitcham 3132
Ph (03) 874 7044

Snow Ski Pty Ltd
68 Whitehorse Road
Deeplene 3103
Ph (03) 817 4683

The Wilderness Shop Pty Ltd
1 Carrington Road
Box Hill 3128
Ph (03) 898 3742

Western Australia

Mountain Designs
862 Hay Street
Perth 6000
Ph (09) 322 4774

Paddy Pallin Adventure Equipment
Shop 11
Westrade Centre
105 Lord Street
East Perth 6000
Ph (09) 325 5984

The Scout Shop and
Outdoor Centre
581 Murray Street
Perth 6000
Ph (09) 321 5259

Wild West Adventure Equipment
334 Adelaide Street
Fremantle 6160
Ph (09) 335 9299

Wilderness Equipment
29 Jewell Parade
North Fremantle 6159
Ph (09) 335 2813

New Zealand

Alp Sports
350 Queen Street
Auckland
Ph (09) 39 4615

Alp Sports Mountain Shop
235 High Street
Christchurch
Ph (03) 67 148

Alp Sports Wellington Ltd
Public Trust Office
125 Lambton Quay
Wellington
Ph (04) 72 0673

Mainly Tramping
Level 1
Grand Arcade
Willis Street
Wellington
Ph (04) 33 5533

Hong Kong

Grade VI Alpine Equipment & Services
172 Tung Lo Wan Road
Mezz Floor
Causeway Bay
Ph (5) 669 313

Hong Kong Mountaineering Training
Centre
1/F Flat B
On Yip Building
395 Shanghai Street
Mongkok, Kowloon
Ph (3) 848 190

Mountain Services International Ltd
Room 102, 32 Morrison Hill Road
Wanchai
Telex 65205 MTSEV HX

USA

Recreational Equipment, Inc
PO Box C-88125
Seattle
WA 98138-0125
Ph (206) 575 3287

Adventure activities

Australian Capital Territory

Paddy Pallin Adventure Travel
11 Lonsdale Street
Braddon 2601
Ph (062) 47 8949

Wilderness Expeditions
9 Sargood Street
O'Connor 2601
Ph (062) 49 6634

Wildrivers Adventure River Trips
PO Box 140
Dickson 2602
Ph (062) 47 4539

New South Wales

Access to China
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Adventure Education
62 Boundary Road
Wahroonga 2076
Ph (02) 489 4285

Australian Nature Tours
PO Box 43
Newcastle 2300
Ph (049) 23 025

Blue Mountains Climbing School
PO Box 242
Katoomba 2780
Ph (047) 82 1271

Dragoman Overland
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Nymboida Whitewater Rafting
Expeditions
PO Box 224
Woolgoolga 2450
Ph (066) 56 1788

Outward Bound
GPO Box 4213
Sydney 2001
Ph (02) 29 7784

Paddy Pallin Adventure Travel
Opposite Thredbo Turn-off
Jindabyne 2627
Ph (064) 56 2458

Peregrine Adventures
3rd Floor
74 Pitt Street
Sydney 2000
Ph (02) 231 3588

Rockcraft Climbing School
and Mountain Guides
166 Katoomba Street
Katoomba 2780
Ph (047) 82 2014

Single Rope Technique
Adventure Training
54 Blackshaw Avenue
Mortdale 2223
Ph (02) 57 6420

Somerset Outdoor Education
Centre (Colo River)
c/- 222 Pacific Highway
Hornsby 2077
Ph (02) 476 5566

Transglobal (Egypt)
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Trek-About Tours
Barrington Road
Gloucester 2422
Ph (065) 58 2093

Wilderness Expeditions
26 Sharp Street
Cooma 2630
Ph (064) 52 1587

Wilderness Expeditions
Shop 2
100 Bay Road
Waverton 2060
Ph (02) 959 5499

World Expeditions
3rd Floor
377 Sussex Street
Sydney 2000
Ph (02) 264 3366

Northern Territory

Willis's Walkabouts
12 Carrington Street
Milliner 5792
Ph (089) 85 2134

Queensland

Climb High
PO Box 93
Broadway 4006
Ph (07) 252 8804

interNATIONAL PARKtours
c/- Binna Burra Lodge
Beechmont
via Nerang 4211
Ph (075) 33 3583

Mackay Rocksports
22 Lindeman Avenue
Lamberts Beach 4741
Ph (079) 55 1273

Peregrine Adventures
Back Track Expeditions
30 Grimes Street
Auchenflower 4066
Ph (07) 870 3884

World Expeditions
6th Floor
131 Elizabeth Street
Brisbane 4000
Ph (07) 229 5355

South Australia

Mountain Adventure
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Osprey Wildlife Expeditions
27B Strathalbyn Road
Aldgate 5154
Ph (08) 339 4899

Peregrine Travel
—Scout Outdoor Centre
192 Rundle Street
Adelaide 5000
Ph (08) 223 5905

Thor Adventure Travel
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Tasmania

Airlines of Tasmania Pty Ltd
PO Box 1126
Evandale 7212
Ph (003) 91 8422

Bushwalkers Transport
28 Critterion Street
Hobart 7000
Ph (002) 34 2226

Craclair Tours
PO Box 516
Devonport 7310
Ph (004) 24 3971

Maxwell's Lake St Clair Bus & Taxi
Service
Wilmet 7310
Ph (004) 92 1431

Mountain Stage Line Pty Ltd
59 Brisbane Street
Launceston 7250
Ph (004) 34 0442

Open Spaces
28 Critterion Street
Hobart 7000
Ph (002) 31 0983

Paddy Pallin Adventure Travel
32 Critterion Street
Hobart 7000
Ph (002) 31 0777

Tasair Pty Ltd
Cambridge Airport
Cambridge 7170
Ph (002) 48 5088

Tasmanian Highland Tours
PO Box 168
La Trobe 7307
Ph (004) 26 9312

Wilderness Air Seaplane Service
Strahan Jetty
Strahan 7468
Ph (004) 71 7280

Wilderness Air Seaplane Service
Port Arthur—Hobart
PO Port Arthur 7182
Ph (002) 50 2292

Wilderness Tours
c/- Robert H Gieves
Arve Road
Geeveston 7116
Ph (002) 97 1384

Victoria

Australian and New Zealand
Scientific Exploration Society
PO Box 174
Albert Park 3206
Ph (03) 529 3783

Base Camp & Beyond
"Musbury"
PO Box 37
Halls Gap 3381
Ph (053) 56 4300

Bogong Jack Adventures
PO Box 221
Oxley 3678
Ph (057) 27 3382

Endless Horizons
55 Walker Parade
Churchill 3842
Ph (051) 22 2430

High Country Adventure Pty Ltd
PO Box 287
Mansfield 3722
Ph (057) 75 2511

Outdoor Travel Centre
1st Floor
377 Little Bourke Street
Melbourne 3000
Ph (03) 670 7252

Outdoor Ventures Geelong
Shop 11
Pakington Arcade
Pakington Street
Geelong West 3218
Ph (052) 22 4949

Peregrine Adventures
9th Floor
343 Little Collins Street
Melbourne 3000
Ph (03) 602 3066

Snowy River Expeditions
PO Buchan 3885
Ph (051) 55 9373

Victorian Board of Canoe Education
40 Cotham Road
ew 3101
(03) 817 6030

Valkabout Gourmet Adventures
C Box 2179
North Brighton 3186
Ph (03) 598 4904

World Expeditions
Suite 602
26 Wellington Parade
East Melbourne 3002
Ph (03) 419 2333

Western Australia

Adventure Out
62 Hay Street
Perth 6000
Ph (09) 322 4774

Blackwood Expeditions
PO Box 64
Mannup 6275
Ph (09) 55 1081

Norbrook Adventure Pursuits
Zwarrup 6284
Ph (09) 55 5490

Peregine Adventures
Summit Travel
Shop 5, The SGIO Atrium
Cnr King Street & St Georges Terrace
Perth 6000
Ph (09) 321 6524

World Expeditions
Adventure World
2nd Floor
8 Victoria Avenue
Perth 6000
Ph (09) 221 2300

New Zealand

Alpine Guides Mt Cook Ltd
PO Box 20
Mt Cook National Park
Ph (Mt Cook) 834

Alpine Guides (Westland) Ltd
PO Box 38
Fox Glacier
Ph (Fox Glacier) 825

Alpine Recreation Canterbury Ltd
PO Box 75
Lake Tekapo
Ph (05056) 736

Mountain Recreation
PO Box 204
Wanaka
Ph (02943) 7330

Venture Treks Ltd
PO Box 37-610 Parnell
Auckland
Ph (Auckland) 79 9855

Westland Glacier Skiing
PO Box 38
Fox Glacier
Ph (Fox Glacier) 825

Papua New Guinea

New Guinea Expeditions
Lower Ground Floor
100 Clarence Street
Sydney 2000
Ph (02) 290 2055

World Expeditions
—Pacific Expeditions
PO Box 132
Port Moresby
Ph (Port Moresby) 25 7803

Ausventure seeks a senior leader with minimum five years' field experience of leading treks etc. Knowledge of Nepali or Hindi an advantage. Keyboard and business skills essential. Minimum 30 years. Write in confidence to Ausventure with biographical data. PO Box 54, Mosman 2088.

Chief instructor required for a two-year contract at our outdoor education centre in Hogsback, South Africa. Our programme offers outdoor pursuits, environmental education and training to children and adults. The applicant should have a broad experience in related fields and be familiar with setting up and running outdoor programmes. Applications: Warden, Hobbiton Outdoor Education Centre, PO Box 46, Hogsback, South Africa.

Chouinard North Wall Hammer. 55 centimetre aluminium, graphite and fibreglass shaft. Teeth full length of pick. \$85. Telephone Michael, (03) 240 8482.

Hallmark Snowcave. 2-3 person, excellent tunnel tent, one year old, \$450. Iain (03) 592 6468.

Pulk Shells. Tired of carrying a pack when ski touring? Tow your gear in a pulk instead. Professionally-made fibreglass shells available for do-it-yourself finishing. Contact Dave at (03) 568 4133.

Pure Silk Inner Sheets by DB Stuff. The ultimate in luxury sleeping. Lightweight, compact and so comfortable: red, royal, wattle yellow, emerald green, navy, electric blue. Standard \$37.80, 120 grams. Long \$39.60. Double \$72. YHA \$48. Cotton inner sheets: hot pink, pale blue. Give two colour preferences. Price list available: water bags, canyon bags, pack liners, rope protectors, polycotton inner sheets, flannelette inner sheets, stuff sacks. Prices include postage within Australia. Prompt mail-order service by Australia's leading supplier of silk inner sheets. Send cheque, money order and name, address, phone number to Dianna Bisset, DB Stuff, 47 Hillcrest Road, Berowra 2081. (02) 456 1602.

Club News

Clubs are invited to use this column to advertise their existence for the benefit of novices and newcomers to their areas, to keep members in touch and to give notice of their meetings and other events.

35 cents a word (minimum \$3.50) for the first 50 words; then 70 cents a word, prepaid. Send notice and payment to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Coast and Mountain Walkers of NSW. Meetings every second Wednesday evening, Concord Community High School, Stanley Street, Concord. Mainly overnight and week-end walks, some day walks. Special walks: Easter, Christmas-New Year. Also canoeing, cross country skiing, cycle touring. For 18s plus. Programmes in leading camping stores.

High Country Bushwalking. Sydney-based club with regular trips to Kosciuszko National Park. For details and copy of walks programme contact the Information Officer, 11 Albert Street, Bexley, NSW 2207. Phone (02) 587 2573.

Snow Country Sports Club. Organized club activities with experienced leaders. Bushwalking and ski touring. Enquiries to 115 Canterbury Road, Heathmont, Ph (03) 720 4647.

The Victorian Climbing Club meets at 8 pm on the last Thursday of each month (except December, and second last Thursday in September) at 188 Gatehouse Street, Parkville 3052. Visitors and new members interested in rockclimbing are welcome. Contact the Secretary, GPO Box 1725F, Melbourne, Victoria 3001.

YHA Activities meets every Monday (except public holidays) at 8 pm at Horticultural Hall, 33 Victoria Street, Melbourne (opposite Trades Hall). Activities include bicycle touring, bushwalking, canoeing, field studies, horse-riding, Nordic skiing, portable hostels, sailing, scuba diving, water-skiing. New members welcome. Contact YHA Victoria, 205 King Street,

Melbourne. (03) 670 7991.

YHA Sydney Region meets every Monday (except public holidays) at 8 pm at 275C Pitt Street, Sydney (Sir Thomas Mitchell Room). Varied outdoor and social activities are organized each week. Audio-visual presentations each week are open to everyone. Contact YHA NSW (02) 267 3044 for details.

WILD INDEXES

The much anticipated first instalment of the *Wild* Index, for issues 11-18, has been welcomed by readers. The second one, for issues 1-10, is now available. A unique Australian wilderness reference, involving hundreds of hours preparation, and thousands of entries, their extraordinary depth and detail, and exhaustive cross-referencing, make *Wild* Indexes a reference of lasting usefulness to anyone with an interest in Australia's wild places. **\$3.95 each** including surface postage anywhere in the world. Let us know which one/s you want.

Send for yours today with a cheque/money order or Bankcard, MasterCard or Visa card details (type of card, name on card, card expiry date and number, amount, date, and signature) to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181. Allow several weeks for delivery.

Aa

A Boulderers Guide to Lindfield Outcrop, Jackson

17, 77 (Rev)

A Climber's Guide to Frog Buttress, Lynch II, 77 (Rev)

A Collection of Australian Wildflower Illustrations, Wear

16, 69 (Rev)

A Field Guide to the Grampians Flora, Elliott

14, 74 (Rev)

A Guide to the North, Cunnison 15, 34-7 (Art)

A Singular Woman 18, 7 (Info)

A Wild Story, Baxter II, 3 (Edit)

Abbott, Bev & Wayne Mullins, *Bushcraft*, Mountain

Safety Manual 12, 13, 17 (Rev)

Aboriginal heritage education kits 13, 7 (Info)

Abseiling, 'Kanagara Canyons',

Noble 14, 64-71 (Tx Notes)

Rockclimbing and abseiling 16, 63-5 (Act Surv)

See also Rockclimbing

Access Guide to Natural Tasmania, Wilderness Society

15, II (Info)

Accidents, see place and people names

Activities Survey, Bushwalking 18, 61-3

ANZSES

Army Al

Army ba

Army ski

11,

'A Route

Ascent, I

Abenbor

Australia

Australia

Australia

See also

Chalk

'Entor

18,

'Mush

'Mt Ko

'Snow

'The e

Victori

Her

Snow

Australia

Australia

Quest

WILD BINDERS

Protect your magazines in good-looking new-model *Wild* Binders. Emerald green with light green lettering, each one holds eight copies of *Wild* and has extra binding to hold a *Wild* Index. Only **\$13.95** including packaging and surface postage anywhere in the world. Use the *Wild* Order Form in this issue or send payment and details as above.

WILD BACK ISSUES

Complete your set! Many early issues have sold out and those left won't last for ever. *Wild*'s outstanding reference value make it something you will want to refer to again and again, year after year. Back issues are **\$4.95 each** including packaging and postage. Available issues are issue 5, issue 13, and all subsequent issues. Use the *Wild* Order Form in this issue or send payment and details as above (see Index advertisement).

Classifieds

70 cents a word (minimum \$7.00) prepaid. Deadlines: 15 January (autumn issue), 15 April (winter), 15 July (spring), 8 October (summer). Advertisements will be inserted in first available issue.

We reserve the right to alter or reject any advertisement which will not be held responsible for errors, although every care is taken to avoid them.

All advertisements are accepted on the express condition that they do not in any way infringe the Trade Practices Act or violate any existing copyright or Trade Mark.

Send order and payment to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Wild Shot



*Graeme Hoxley
skis the straight
and narrow, in
the central gully
of Mt Carruthers,
above Club Lake,
Snowy Mountains,
NSW.*

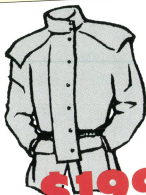
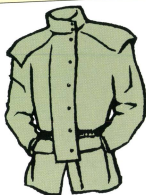
Glenn Tempest

Wild welcomes slides
for this page.
payment for slides
is at our standard
rates. Mail Slides to
Wild, P.O. Box 415,
Prahran, Victoria,
3181.



Southern Cross Equipment

The outdoors people more people rely on.



\$199

Drovers

Pure white duck-down fill. Cotton outer fabric woven for long life and fashionable protection, repels water, and breathes. Designed and made in Australia.

Storm collar, draught skirt, gathered waist, double studded-flap closure, front cargo- and hand-warmer pockets, large interior 'camera' pockets, deep back

S, M, L Camel or Grey



\$139

Taymar

Down-filled hood, storage pocket for zip-off sleeves, zip closure protected by studded storm flap, draught skirt

XS, S, M, L, XL Camel, Grey, Pink or Rust



\$28

Tacpac 1 was \$36

8 litres

300 grams

Nylon

Contoured anatomic harnesses. Various colours.



\$31

Tacpac 2 was \$39

25 litres

300 grams

Nylon



\$35

Vista 1 was \$44

18 litres

400 grams

Cordura



\$41

Vista 2 was \$52

25 litres

500 grams

Cordura

20% OFF

KARRIMOR DAY PACKS

companion

companion



\$250

Companion Geodome

4 person

4.8 kilograms

250(L) x 210(W) x 122(H) cm



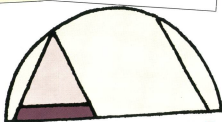
\$199

Companion Orion

4 person

3.4 kilograms

250 x 180 x 115 cm



\$70

Himalaya Tote

2 person

1.5 kilograms

260 x 152 x 130 cm

SYDNEY

493 Kent Street

(02) 261 3435

Opposite the Town Hall Arcade

Chatswood

66 Archer Street

(02) 412 3372

Hornsby

18 Hunter Street

(02) 476 5566

Corner of Florence Street

Hornsby (Service and hire)

222 Pacific Highway

(02) 476 5566


The City side of Westfield

Parramatta

28 Phillip Street

(02) 633 4527

Next to the Park Royal Hotel

Agents for the Youth Hostels Association of New South Wales 
Offers available while stocks last, until 30 September 1988.



INTER-ACTIVE the System for all Seasons

Inter-Active is a versatile clothing system for the outdoors based on the "layering" principle, a concept as old as clothing itself.

For comfort and performance, it is much easier to adjust your body temperature and weather protection by using layers of clothing which can be put on and taken off, as required.

The layering principle can be conveniently described as an integral three part system comprising:

- a) an inner layer - underwear
- b) a middle layer - one or more insulated garments
- c) an outer layer - windproof and waterproof garments

The **Quattro I.A.** is available in either

double Lotus for comfort and breathability or fully taped and lined GORE-TEX Taslan, offering protection against the worst of the elements - rain, snow and wind.

An excellent middle layer garment is provided by the complementary **POLARPLUS I.A.** jackets, which are manufactured in a wide variety of plain colours as well as specifically co-ordinated twin colour combinations. **All these garments are sold separately as an "Inter-Active" system, enabling you to tailor your clothing to meet the specific demands of your chosen outdoor activities.**

For further information on the I.A. System, and a copy of our NEW full colour catalogue, please write to:



**OUTDOOR AGENCIES PTY LTD.,
Unit 14F, Hordern Place, Camperdown
N.S.W. 2050 Australia**

Berghaus Limited,
34 Dean Street, Newcastle upon Tyne NE1 1PG, England